INDEX FOR VOLUME 69

Compiled by Melissa R. Sette-Lake, Wisconsin Department of Natural Resources, Madison

Key words are indicated in boldface type.

A

Abbott, C. Wade, C. Brad Dabbert, Duane R. Lucia, and Robert B. Mitchell. Does muscular damage during capture and handling handicap radiomarked northern bobwhites?, 664–670

Abies balsamea, see Fir, balsam

Abies concolor, see Fir, white

Abies grandis, see Fir, grand

Abies lasiocarpa, see Fir, subalpine

Abies magnifica, see Fir, red

Acacia berlandieri, see Guajillo

Acacia rigidula, see Acacia, blackbrush

Acacia, blackbrush: 782–793

Accipiter cooperii, see Hawk, Cooper's

Accipiter gentilis, see Goshawk, northern

Accipiter striatus, see Hawk, sharp-shinned

Acer negundo, see Boxelder

Acer rubrum, see Maple, red

Acer saccharinum, see Maple, silver

Acer saccharum, see Maple, sugar

Acidosis: 664–670

Acipenser spp., *see* Sturgeon

Ackers, Steven H., *see* Olson, Gail S.

Acris gryllus, see Frog, southern cricket

Acrocephalus sechellensis, see Warbler, Seychelles

Adaptive management:
- a framework for monitoring multiple species conservation plans, 1333–1345

Aderman, Andrew R., *see* Hinkes, Michael T.

Aepyceros melampus petersi, see Impala, black-faced

Affinity, Bhattacharyya's: 1346–1359

Africa: 14, 1315–1320, 1708–1715

Agelaius phoeniceus, see Blackbird, red-winged

Agkistrodon piscivorus, see Snake, cottonmouth

Agriculture: 1–19, 101–123, 174–184, 198–221, 430–436, 821–826, 1259–1269
- movement of female white-tailed deer: effects of climate and intensive row-crop agriculture, 1099–1111

Agropyron cristatum, see Grass, crested wheat

AIC, *see* Akaike Information Criteria

Aimophila cassinii, see Sparrow, Cassin's

Aimophila reficeps, see Sparrow, rufous-crowned

Airports: 7

Akaike Information Criteria: 45–56, 83–100, 110–123, 188–197, 211–234, 246–254, 298–310, 402, 424–429, 540–548, 592–608, 636–649, 699–709, 739–751, 861–873, 884–893, 918–949, 1194–1201, 1259–1269, 1546–1577, 1633–1640
- information theory in wildlife science: critique and viewpoint, 457–465 – *Invited paper*

Alabama: 1538–1545

Alaska: 63, 101–109, 246–254, 322–331, 582–600, 1112–1124, 1133–1162, 1202–1210, 1202–1210, 1279–1296

Alberta: 277–297, 1181–1193

Alces alces, see Moose

Alder, mountain: 20–32

Alewife: 609–617

Alfalfa: 198–221

Alisauskas, Ray T., *see* Mehl, Katherine R.

Alldredge, A. William, *see* Shively, Kirk J.

Allele effect: 160–173, 345–355, 377–384, 630–637

Allen, Michael R., *see* Barrows, Cameron W.

Allen, R. Bradford, *see* McAuley, Daniel G.

Alligator mississippiensis, see Alligator, American

Alligator, American: 549–560, 1400–1418

Allometrics: 1015–1023

All-terrain Vehicle: 211–221

Alnus incana, see Alder, mountain

Alopex lagopus, see Fox, arctic

Alosa aestivalis, see Herring, blueback

Alosa pseudoharengus, see Alewife

Alosa sapidissima, see Shad, American

Ambrosia psilostachya, see Ragweed, western

Ambystoma maculatum, see Salamander, spotted

Ambystoma opacum, see Salamander, marbled

Ambystoma tigrinum mavortium, see Salamander, barred tiger

Ameriurus spp., *see* Bullhead

Aminotransferase: 1063–1072

Ammodramus bairdii, see Sparrow, Baird's

Ammodramus leconteii, see Sparrow, Le Conte's

Ammodramus savannarum floridanus, see Sparrow, Florida grasshopper

Ammodramus savannarum, see Sparrow, grasshopper

Amphibians:
- influence of land use on postmetamorphic body size of playa lake amphibians, 515–524
- spatiotemporal responses of reptiles and amphibians to timber harvest treatments, 525–539
- relative importance of population processes and habitat characteristics in determining site occupancy of two anurans, 884–893

Amphidpods: 1221–1228

Amphispiza bilineata, see Sparrow, black-throated

Amphiuma means, see Amphiuma, two-toed

Amphiuma, two-toed: 549–560

Analysis, Euclidean distance: 430–436

Anas acuta, see Pintail, northern

Anas americana, see Wigeon, American

Anas clypeata, see Shoveler, northern

Anas crecca, see Teal, green-winged

Anas discors, see Teal, blue-winged

Anas platyrhynchos, see Duck, mallard
Anas rhynchotis, see Shoveler, Australasian
Anas rubripes, see Duck, American black
Anas strepera, see Gadwall
Andersen, David E., *see* Boal, Clint W.
Andersen, David E., *see* Roberson, Aimee M.
Anderson, Dean P., Monica G. Turner, James D. Forester, Jun Zhu, Mark S. Boyce, Hawthorne Beyer, and Laine Stowell. Scale-dependent summer resource selection by reintroduced elk in Wisconsin, USA, 298–310
Anderson, Michael G., *see* Emery, Robert B.
Anderson, Reidar, *see* Herfindal, Ivar
Anderson, Stanley H., *see* Holloran, Matthew J.
Andreassen, Harry P., Hege Gundersen and Torstein Storaas. The effect of scent-marking, forest clearing, and supplemental feeding on moose–train collisions, 1125–1132
Anguilla rostrata, see Eel, American
Angulo, Elena, *see* Calvete, Carlos
Animal Damage Control:
why compensating wildlife damages may be bad for conservation, 14–19
Anole, green: 525–539, 549–560
Anolis carolinensis, see Anole, green
Anser albifrons, see Goose, white–fronted
Ant, fire: 124–132
Antarctica: 1015–1023
Antelope, pronghorn: 1400–1418, 1463–1474
Anthony, Robert G., *see* Gomez, Douglas M.
Anthony, Robert G., *see* Olson, Gail S.
Antilocapra americana, see Antelope, pronghorn
Antlers: 356–367
antler breakage in tule elk, Owens Valley, California, 1747–1752
Antrozous pallidus, see Bat, pallid
Apa, Anthony D., *see* Oyler-McCance, Sara
Apalone ferox, see Turtle, Florida softshell
Applegate, Roger D., *see* Pitman, James C.
Arbutus menziesii, see Mandrone
Arctic: 1297–1304
Aresco, Matthew J. Mitigation measures to reduce highway mortality of turtles and other herpetofauna at a north Florida lake, 549–560
Aristida stricta, see Grass, wire
Arizona: 5–6, 618–629, 1024–1033, 1615–1622
Arkansas: 33–44, 655–663, 671–680
Armadillo, nine–banded: 124–132
Armstrong, Llwellyn M., *see* Emery, Robert B.
Artemisia arbuscula, see Sagebrush, low
Artemisia filifolia, see Sagebrush, sand
Artemisia tridentata, see Sagebrush, big
Arundinaria gigantea, see Canebrake
Arvicoline: 246–254
Ash, black: 1516–1527
Ash, green: 198–210, 235–245, 1240–1250, 1516–1527
Asio flammeus, see Owl, short-eared
Aspect: 150–159
Aspen: 20–32, 110–123, 235–245, 298–310, 689–698, 1221–1228, 1240–1250, 1516–1527
effect of pocket gophers on aspen regeneration, 752–759
Astragalus lentiginosus var. coachellae, see Milkvetch, Coachella Valley
Austmo, Lars B., *see* Herfindal, Ivar
Australia: 837–844, 1015–1023
Averill-Murray, Annalaura, *see* Hatten, James R.
Avocets, American: 171
shorebird habitat use and nest-site selection in the Playa Lakes region, 174–184
Aythya affinis, see Scaup, lesser
Aythya marila, see Scaup, greater

B

Baboon: 1394
Badger: 636–649
Bahamas: 160–173
Bait station:
bait stations, hard mast, and black bear population growth in Great Smoky Mountains National Park, 1633–1640
Ball, Lianne C., Paul F. Doherty, Jr., and Matthew W. McDonald. An occupancy modeling approach to evaluating a Palm Springs ground squirrel habitat model, 894–904
Bamboo: 1623–1632
Band, leg: 404–408, 1494–1515, 1546–1553, 1565–1577
Band, neck: 1494–1507
effects of neck bands on reproduction and survival of female greater snow geese, 91–100
Barker, Richard J., Gary C. White, and Matthew McDougall. Movement of paradise shelduck between molt sites: a joint multistate-dead recovery mark–recapture model, 1194–1201
Barker, Richard J., Tom Caithness, and Murray Williams. Survival rates of Australasian shoveler ducks in New Zealand, 1508–1515
Barney, Wayne, *see* Fisher, Jason T.
Barrows, Cameron W., Monica B. Swartz, Wendy L. Hodges, Michael R. Allen, John T. Rotenberry, Bai-Lain Li, Thomas A. Scott, and Xiongwen Chen. A framework for monitoring multiple species conservation plans, 1333–1345
Bart, Jonathan, *see* Brown, Stephen C.
Bart, Jonathan, *see* Francis, Charles M.
Bartramia longicauda, see Sandpiper, upland
Bass, largemouth: 57–67
Bass, striped: 609–617
Bat: 1601–1614
Bat, big brown: 618–629
effect of habitat and foraging height on bat activity in the coastal plain of South Carolina, 235–245
Bat, eastern pipistrelles: 430–436
effect of habitat and foraging height on bat activity in the coastal plain of South Carolina, 235–245
Bat, eastern red: 430–436
effect of habitat and foraging height on bat activity in the coastal plain of South Carolina, 235–245
Bat, evening:
effect of habitat and foraging height on bat activity in the coastal plain of South Carolina, 235–245

Bat, fringed myotis: 618–629
Bat, hoary: 950–956
effect of habitat and foraging height on bat activity in the coastal plain of South Carolina, 235–245
Bat, lesser long-nosed:
resource and spatial-use patterns of an endangered vertebrate pollinator, the lesser long-nosed bat, 1615–1622
Bat, long-egged: 950–956
Bat, northern yellow: 430–436
Bat, pallid: 618–629
Bat, Rafinesque's big-eared: 430–436
Bat, Seminole: 430–436
effect of habitat and foraging height on bat activity in the coastal plain of South Carolina, 235–245
Beaman, Jay, Jerry J. Vaske, and Craig A. Miller. Cognitive processes in hunters' recall of participation and harvest estimates, 967–975
Bear, Alaskan brown:
quantifying spatiotemporal overlap of Alaskan brown bears and people, 810–817
Bear, black: 810–817, 1419–1433
bait stations, hard mast, and black bear population growth in Great Smoky Mountains National Park, 1633–1640
yearling and subadult black bear survival in a hunted Virginia population, 1641–1651
Bear, grizzly: 1390
grizzly bear demographics in and around Banff National Park and Kananaskis country, Alberta, 277–297
effects of transportation infrastructure on grizzly bears in northwestern Montana, 985–1000
conservation risks of male-selective harvest for mammals with low reproductive potential, 1592–1600
Bear, polar: 290
conservation risks of male-selective harvest for mammals with low reproductive potential, 1592–1600
Beaudoin, Chantal, *see* Etcheverry, Pierre
Beetle, southern pine: 222–234
Beetle, spruce: 246–254
Beier, Paul, *see* Dickson, Brett G.
Berupré, Steven J., *see* Browning, Dawn M.
Best, Louis B., *see* Henningsen, John C.
Best, Peter B., Desray Reeb, Mary Beth Rew, Per J. Palsbøll, Cathy Schaeff, and Anabela Brandão. Biopsying southern right whales: their reactions and effects on reproduction, 1171–1180
Betula alleghaniensis, see Birch, yellow
Betula occidentalis, see Birch, water
Betula papyrifera, see Birch, paper
Beyer, Dean E., Jr., *see* Potvin, Marcel J.
Beyer, Hawthorne, *see* Anderson, Dean P.
Bias: 198–210, 671–680
problems with sampling desert tortoises: a simulation analysis based on field data, 45–56
assessment of potential bias with snowshoe hare fecal pellet–plot counts, 385–395
estimating population size from DNA-based closed capture–recapture data incorporating genotyping error, 396–403
cognitive processes in hunters' recall of participation and harvest estimates, 967–975
nonlinearity and seasonal bias in an index of brushtail possum abundance, 976–984
population estimation and biases in paintball, mark–resight surveys of elk, 1043–1052
using the North American Breeding Bird Survey as a tool for conservation: a critique of Bart et al. (2004), 1321–1326
enhancing the value of the Breeding Bird Survey: reply to Sauer et al. (2005), 1327–1332
Bilirubin: 1063–1072
Bioga irregularis, see Snake, brown, tree
Biomass:
does prey biomass or mercury exposure affect loon chick survival in Wisconsin?, 57–67
Biophysics: 1743–1746
Biopsy:
biopsying southern right whales: their reactions and effects on reproduction, 1171–1180
Birch, paper: 20–32, 298–310, 710–722
Birch, water: 20–32
Birch, yellow: 1240–1250, 1516–1527
Bird, grassland: 1–13, 185–221
Bishop, Chad J., James W. Unsworth, and Edward O. Garton. Mule deer survival among adjacent populations in southwest Idaho, 311–321
Bison bison, see Bison
Bison: 5
yellowstone bison fetal development and phenology of parturition, 1716–1730
Bitterbrush, antelope: 311–321
Blackberry: 198–210, 235–245
Blackbird, red-winged: 211–221
Blakesley, Jennifer A., Barry R. Noon, and David R. Anderson. Site occupancy, apparent survival, and reproduction of California spotted owls in relation to forest stand characteristics, 1554–1564
Blanchard, Wendy, *see* van den Hoff, John
Blanchong, Julie A., *see* Scribner, Kim T.
Bleich, Vernon C., *see* Johnson, Heather E.
Block, William M., Joseph L. Ganey, Peter E. Scott, and Rudy King. Prey ecology of Mexican spotted owls in pine–oak forests of northern Arizona, 618–629
Bluegill: 57–67
Boal, Clint W., David E. Andersen, and Patricia L. Kennedy. Foraging and nesting habitat of breeding male northern goshawks in the Laurentain mixed forest province, Minnesota, 1516–1527
Bobcat: 124–139, 264–276, 636–649
Bobolink: 211–221
variability in vegetation effects on density and nesting success of grassland birds, 185–197
Bobwhite, northern: 967–975 1–13
identifying predators at northern bobwhite nests, 124–132
reproduction by northern bobwhites in western Oklahoma, 133–139
microclimate versus predation risk in roost and covert selection by bobwhites, 140–149

empirical tests of hunter–covey interface models, 498–514
quantifying usable space for wildlife with use–availability data, 655–663
does muscular damage during capture and handling handicap radiomarked northern bobwhites?, 664–670
evaluation of the landscape surrounding northern bobwhite nest sites: a multiscale analysis, 1528–1537
Body mass: 311–321, 515–524, 821–826
estimating body mass and condition of leopard seals by allometrics, 1015–1023
Body size:
influence of land use on postmetamorphic body size of playa lake amphibians, 515–524
Boertje, Rodney D., *see* Lawler, James P.
Bonasa umbellus, see Grouse, ruffed
Bottleneck: 345–355, 1362–1384
Bouteloua gracilis, see Grass, blue grama
Bowers, E. Frank, *see* Sheaffer, Susan E.
Bowyer, R. Terry, *see* Schmidt, Jennifer I.
Boxelder: 198–210
Boyce, Mark S., *see* Anderson, Dean P.
Boyce, Mark S., *see* Mao, Julie S.
Boyd, Sean, *see* Hobson, Keith A.
Brachyramphus marmoratus, see Murrelet, marbled
Braden, Wes, *see* Doerner, Kinchel C.
Brandão, Anabela, *see* Best, Peter B.
Brant, black: 91
Branta bernicla nigricans, see Brant, black
Branta canadensis, see Goose, Canada
Breeding Bird Survey: 1–13, 409–417
using the North American Breeding Bird Survey as a tool for conservation: a critique of Bart et al. (2004), 1321–1326
enhancing the value of the Breeding Bird Survey: reply to Sauer et al. (2005), 1327–1332
Breeding colonies: unique island habitats may be threatened by double-crested cormorants, 68–76
Breeding Waterfowl Survey: 106
Brennan, Leonard A., and William P. Kuvlesky, Jr. North American grassland birds: an unfolding conservation crisis?, 1–13 *Invited paper*
Brennan, Leonard A., *see* DeYoung, Randy W.
Brennan, Leonard A., *see* Hardin, Jason B.
Brennan, Leonard, A., *see* Guthery, Fred S.
Brinkman, Todd J., Christopher S. Deperno, Jonathan A. Jenks, Brian S. Haroldson, and Robert G. Osborn. Movement of female white-tailed deer: effects of climate and intensive row-crop agriculture, 1099–1111
Brisbin, I. Lehr, Jr., *see* DeVault, Travis L.
British Columbia: 20–32, 1221–1228
Bromus inermis, see Grass, brome
Bromus tectorum, see Grass, cheat
Brood parasitism: 198–210
Brøseth, Henrik, *see* Sæther, Bernt-Erik
Brown, Stephen C., Shiloh Schulte, Brian Harrington, Brad Winn, Jonathan Bart, and Marshall Howe. Population size and winter distribution of eastern American oystercatchers, 1538–1545
Browning, Dawn M., Steven J. Berupré, and Lynette Duncan. Using partitioned Mahalanobis D^2 (k) to formulate a GIS-based model of timer rattlesnake hibernacula, 33–44
Brucella abortus, see Brucellosis
Brucellosis: 1716–1730
Bruggeman, Douglas J., *see* Scribner, Kim T.
Bryant, Fred C., *see* McCoy, J. Evan
Bryoria spp., *see* Lichen
Bubo virginianus, see Owl, great horned
Bucephala albeola, see Bufflehead
Bucephala islandica, see Goldeneye, Barrow's
Buehler, David A., *see* Klaus, Nathan A.
Buffers:
grassland bird use of riparian filter strips in southeast Iowa, 198–210
breeding bird response to varying amounts of basal area retention in riparian buffers, 689–698
Bufflehead: 1221–1228
Bufo calamita, see Toad, natterjack
Bufo cognatus, see Toad, Great Plains
Bufo terrestris, see Toad, southern
Bufo valliceps, see Toad, gulf coast
Bufo woodhousei, see Toad, east Texas
Bullfrog, American: 549–560
Bullhead: 57–67
Bullhead, brown: 609–617
Bulte, Erwin H., and Daniel Rondeau. Why compensating wildlife damages may be bad for conservation, 14–19
Bunting, indigo: 198–210, 681–688
Bunting, lark: 1–13
Bunting, painted: 1–13
Burgman, Mark A., *see* Wintle, Brendan A.
Burnham, Kenneth P., *see* Francis, Charles M.
Burnham, Kenneth P., *see* Lukacs, Paul M.
Burton, Harry, *see* van den Hoff, John
Buteo jamaicensis, see Hawk, red-tailed
Butterfly, Monarch: 70
Byrd, G. V., *see* Harding, A. M. A.

C

Cactus, prickly-pear: 1259–1269
Caithness, Tom, *see* Barker, Richard J.
Calamospiza melanocorys, see Bunting, lark
Calidris melanotos, see Sandpiper, pectoral
Calidris minutilla, see Sandpiper, least
California: 45–56, 150–159, 264–276, 424–429, 894–904, 950–956, 1202–1220, 1333–1345, 1737–1742, 1747–1752
Callipepla gambelii, see Quail, Gambel's
Callipepla squamata, see Quail, scaled
Calocedrus decurrens, see Cedar, incense
Caloptes auratus, see Flicker, northern
Calvert, Anna M., Gilles Gauthier, and Austin Reed. Spatiotemporal heterogeneity of greater snow goose harvest and implications for hunting regulations, 561–573
Calvete, Carlos, Elena Angulo, Rosa Estrada, Sacramento Moreno, and Rafael Villafuerte. Quarantine length and survival of translocated European wild rabbits, 1063–1072

Camera, video: identifying predators at northern bobwhite nests, 124–132
Camp Pendleton Marine Corps Base: 264–276
Camp, Richard J., *see* Freilich, Jerome E.
Canada: 20–32, 79, 160–173, 277–297, 574–581, 771–781, 1181–1193, 1221–1228
Canebrake: 409–417
Canis familiarus, see Dog, domestic
Canis latrans, see Coyote
Canis lupus, see Wolf
Cannibalism: 1400–1418
Canopy cover: 68–76, 198–210, 222–254, 322–331, 636–649, 710–722, 733–738, 1516–1527, 1554–1564
Capreolus capreolus, see Deer, roe
Capture myopathy:
does muscular damage during capture and handling handicap radiomarked northern bobwhites?, 664–670
Carassius auratus, see Goldfish
Carduelis tristis, see Goldfinch, American
Caribou, Grant's:
short-term impacts of military overflights on caribou during calving season, 1133–1146
influence of population growth on caribou herd identity, calving ground fidelity, and behavior, 1147–1162
Caribou:
conservation risks of male-selective harvest for mammals with low reproductive potential, 1592–1600
Carlile, Lawrence D., *see* Mitchell, Lee R.
Carp, common: 609–617
Carpodacus purpureus, see Finch, purple
Carroll, John P., *see* Staller, Eric L.
Carter, Timothy C., *see* Menzel, Jennifer M.
Carya cordiformis, see Hickory, bitternut
Carya ovata, see Hickory, shellbark
Cash, Verl W., and Timothy E. Fulbright. Nutrient enrichment, tannins, and thorns: effects on browsing of shrub seedlings, 782–793
Cassidy, Brandt G., and Robert A. Gonzales. DNA testing in animal forensics, 1454–1462
Cat, domestic: 861–873
Catfish, white: 609–617
Cathartes aura, see Vulture, turkey
Catharus guttatus, see Thrush, hermit
Catharus fuscescens, see Veery
Catoptrophorus semipalmatus, see Willet
Catostomus commersoni, see Sucker, white
Cavity:
habitat as a predictor of southern flying squirrel abundance in red-cockaded woodpecker cavity clusters, 418–423
snags, cavity-nesting birds, and silvicultural treatments in western Oregon, 1578–1591
Cedar, incense: 1554–1564
Celtus occidentalis, see Hackberry
Cementum analysis: 277–297, 332–344
Cemophora coccinea, see Snake, scarlet
Centrocercus minimus, see Grouse, Gunnison sage
Centrocercus spp., *see* Grouse, sage
Centrocercus urophasianus, see Grouse, greater sage
Cercocarpus ledifolius, see mahogany, leaf mountain
Certhia americana, see Creeper, brown
Cervus elaphus nelsoni, see Elk, Rocky Mountain
Cervus elaphus, see Elk
Cervus elaphus, see Elk, tule
Chamberlain, Michael J., *see* Richkus, Kenneth D.
Chandler, C. Ray, *see* Mitchell, Lee R.
Charadrius alexandrinus, see Plover, snowy
Charadrius melodus, see Plover, piping
Charadrius melodus circumcinctus, see Plover, piping
Charadrius melodus melodus, see Plover, piping
Charadrius montanus, see Plover, mountain
Charadrius vociferus, see Killdeer
Chat, yellow-breasted: 681–688
Chaulk, Keith, Gregory J. Robertson, Brian T. Collins, William A. Montevecchi, and Bruce Turner. Evidence of recent population increases in common eiders breeding in Labrador, 805–809
Chelonian mydas, see Turtle, green
Chelydra serpentina, see Turtle, snapping
Chen caerulescens atlantica, see Goose, greater snow
Chen caerulescens caerulescens, see Goose, lesser snow
Chen canagica, see Goose, emperor
Chen, Xiongwen, *see* Barrows, Cameron W.
Chequamegon National Forest: 298–310
Cherokee National Forest: 222–234
Cherry, black: 681–688
Chestnut blight: 222
Chickadee, black-capped: 689–698
Chickadee, chestnut-backed: 1578–1591
Chipmunk, eastern:
modeling patch occupancy by forest rodents: incorporating detectability and spatial autocorrelation with hierarchically structured data, 933–949
Chipmunk: 618–629
Chirichella, Roberta, *see* Preatoni, Damiano G.
Chondestes grammacus, see Sparrow, lark
Chrysemys picta, see Turtle, painted
Circus cyaneus, see Harrier, northern
Cistothorus platensis, see Wren, sedge
Clark, Joseph D., Frank T. van Mannen, and Michael R. Pelton. Bait stations, hard mast, and black bear population growth in Great Smoky Mountains National Park, 1633–1640
Clethrionomys rutilus, see Vole, red-backed
Cleveland National Forest: 264–276
Climate:
movement of female white-tailed deer: effects of climate and intensive row-crop agriculture, 1099–1111
Clover: 198–210
Cluck, Danny R., *see* Rickman, Tom H.
Clugston, David A., *see* McAuley, Daniel G.
Cnemidophorus sexlineatus, see Racerunner, six-lined
Coccyzus americanus, see Cuckoo, yellow-billed
Coggins, Stacey T., and Michael R. Conover. Effect of pocket gophers on aspen regeneration, 752–759
Colinus virginianus, see Bobwhite, northern
Collar, necklace: 133–149
Collins, Brian T., *see* Chaulk, Keith

Collins, Gail H., *see* Hinkes, Michael T.
Collisions: 255–263
mitigation measures to reduce highway mortality of turtles and other herpetofauna at a north Florida lake, 549–560
flight behavior of black and turkey vultures: implications for reducing bird–aircraft collisions, 601–608
the effect of scent-marking, forest clearing, and supplemental feeding on moose–train collisions, 1125–1132
Colorado: 146, 630–637, 861–873, 1073–1080
Coluber constrictor, see Racer, southern black
Coluber constrictor, see Snake, black racer
Colubridae spp., *see* Snake, northern water
Comer, Christopher E., John C. Kilgo, Gino J. D'Angelo, Travis C. Glenn, and Karl V. Miller. Fine-scale genetic structure and social organization in female white-tailed deer, 332–344
Conover, Michael R., *see* Coggins, Stacey T.
Conroy, Michael J., Christopher J. Fonnesbeck, and Nathan L. Zimpfer. Modeling regional waterfowl harvest rates using Markov chain Monte Carlo, 77–90
Conservation Reserve Program: 7–8, 122, 198–221, 1528–1537
Contamination: 57–67
Conway, Courtney J., and Victoria Garcia. Effects of radiotransmitters on natal recruitment of burrowing owls, 404–408
Conway, Warren C., Loren M. Smith, and James D. Ray. Shorebird habitat use and nest-site selection in the Playa Lakes region, 174–184
Cooter, Florida: 549–560
Cooter, Suwannee: 549–560
Coragyps atratus, see Vulture, black
Cork, Jennifer, *see* Doerner, Kinchel C.
Cormorant, double-crested:
unique island habitats may be threatened by double-crested cormorants, 68–76
Corridor: 430–436
Corvids:
relating grouse nest success and corvid density to habitat: a multiscale approach, 110–123
Corvus brachyrhynchos, see Crow
Corvus corax, see Raven, common
Corynorhinus rafinesquii, see Bat, Rafinesque's
Cotterill, Janey V., Richard W. Watkins, and David P. Cowan. Stimulation of satiation receptors: a novel approach to wildlife management, 1475–1480
Cottontail, eastern: 609–629, 967–975
Cougar: 311–321
influence of vegetation, topography, and roads on cougar movement in southern California, 264–276
long-distance dispersal by a subadult male cougar from the Black Hills, South Dakota, 818–820
Covert:
microclimate versus predation risk in roost and covert selection by bobwhites, 140–149
Cowan, David P., *see* Cotterill, Janey V.
Cowbird, brown-headed: 5, 199, 413, 689–698
Cox, Lindsey L., *see* Stephen, Catherine L.
Cox, Scott A., Fred S. Guthery, Jeffrey J. Lusk, Alan D. Peoples, Stephen J. DeMaso, and Mike Sams. Reproduction by northern bobwhites in western Oklahoma, 133–139
Coyote: 124–139, 264–276, 311–321, 874–883, 967–975, 1181–1193
seasonal activity areas of coyotes in the Bear River Mountains of Utah and Idaho, 1652–1659
Crane, sandhill: 174
Crappie: 57–67
Crayfish:
does prey biomass or mercury exposure affect loon chick survival in Wisconsin?, 57–67
Creatinine: 1063–1072
Creeper, brown: 1578–1591
Creosote: 894–904
Crete, Michel, *see* Etcheverry, Pierre
Cricket, Coachella Valley giant sand-trader: 1333–1345
Crotalus horridus, see Snake, timber rattle
Crow: 110–123, 699–709, 1181–1193
CRP, *see* Conservation Reserve Program
Csiro, Jens Jacob, and Regina E. Wegner. Does continuous removal of individuals separate high- and low-quality ricefield rats?, 821–826
Cuba: 160–173
Cuckoo, yellow-billed: 222–234
Cumulative distribution function: 20–32
Cunningham, Tom, *see* Doerner, Kinchel C.
Cuthbert, Francesca J., *see* Haig, Susan
Cyanocitta cristata, see Jay, blue
Cygnus buccinator, see Swan, trumpeter
Cynomys spp., *see* Prairie dog
Cynomys ludovicianus, see Prairie dog, black-tailed
Cyprinidae, *see* Minnow
Cyprinus carpio, see Carp, common
Cyrtonyx montezumae, see Quail, Montezuma

D

D'Angelo, Gino J., *see* Comer, Christopher
Dabbert, C. Brad, *see* Abbott, C. Wade
Dactylic glomerata, see Grass, orchard
Dalton, Virginia M., *see* Ober, Holly K.
Danaus plexippus, see Butterfly, Monarch
Dang, Gaodi, *see* Liu, Xeuhua
Danz, Nick, *see* Hanowski, Joann
Dasypus novemcinctus, see Armadillo, nine-banded
Data, presence–absence:
old dog, new tricks: innovations with presence–absence information, 845–848
what are the issues with presence–absence data for wildlife managers?, 849–860
estimation of swift fox population size and occupancy rates in eastern Colorado, 861–873
estimating site occupancy and abundance using indirect detection indices, 874–883
relative importance of population processes and habitat characteristics in determining site occupancy of two anurans, 884–893

an occupancy modeling approach to evaluating a Palm Springs ground squirrel habitat model, 894–904
estimating and dealing with detectability in occupancy surveys for forest owls and arboreal marsupials, 905–917
modeling of site occupancy dynamics for northern spotted owls, with emphasis on the effects of barred owls, 918–932
modeling patch occupancy by forest rodents: incorporating detectability and spatial autocorrelation with hierarchically structured data, 933–949
a field-based evaluation of presence–absence protocol for monitoring ecoregional-scale biodiversity, 950–956
giant panda habitat selection in Foping Nature Reserve, China, 1623–1632
Database:
databases and science-based management in the context of wildlife and habitat: toward a certified ISO standard for objective decision-making for the global community by using the internet, 466–472
DNA testing in animal forensics, 1454–1462
Davis, Donald S., *see* Hess, Marc F.
Davis, Stephen K., *see* McMaster, D. Glen
Decomposition:
assessment of potential bias with snowshoe hare fecal pellet–plot counts, 385–395
Deer: 874–883
management of wild deer in Australia, 837–844 – *Invited paper*
Deer, mule: 723–732, 818–820
mule deer survival among adjacent populations in southwest Idaho, 311–321
lichen litterfall consumption by wintering deer and elk in western Montana, 1081–1089
Deer, roe: 373, 1035
red fox removal and roe deer fawn survival—a 14-year study, 1090–1098
Deer, Sitka black-tailed:
winter habitat selection by Sitka black-tailed deer, 322–331
Deer, white-tailed: 11, 24, 717, 818–820, 1024, 1346–1359, 1400–1418, 1434–1453, 1660–1669
fine-scale genetic structure and social organization in female white-tailed deer, 332–344
population genetics of resurgence: white-tailed deer in Kentucky, 345–355
population density–physical condition relationships in white-tailed deer, 356–365
dispersal by yearling male white-tailed deer and implications for management, 366–376
effect of pocket gophers on aspen regeneration, 752–759
nutrient enrichment, tannins, and thorns: effects on browsing of shrub seedlings, 782–793
lichen litterfall consumption by wintering deer and elk in western Montana, 1081–1089
movement of female white-tailed deer: effects of climate and intensive row-crop agriculture, 1099–1111
Degayner, Eugene J., *see* Doerr, Joseph G.
Deirochelys reticularia, see Turtle, chicken
Del Vecchio, Patricia A., *see* Lawler, James P.
Delaware: 1538–1545
DeMaso, Stephen J., *see* Cox, Scott A.
Demographics:
short-term demographic response of the red-backed vole to spruce beetle infestations in Alaska, 246–254
grizzly bear demographics in and around Banff National Park and Kananaskis country, Alberta, 277–297
dusky-footed woodrat demography and prescribed fire in a California oak woodland, 1211–1220
Dendroctonus frontalis, see Beetle, southern pine
Dendroctonus rufipennis, see Beetle, spruce
Dendroica discolor, see Warbler, prairie
Dendroica fusca, see Warbler, blackburnian
Dendroica magnolia, see Warbler, magnolia
Dendroica pensylvanica, see Warbler, chestnut-sided
Dendroica virens, see Warbler, black-throated green
Density:
variability in vegetation effects on density and nesting success of grassland birds, 185–197
Deperno, Christopher S., *see* Brinkman, Todd J.
Dermochelys coriacea, see Turtle, leatherback sea
Detectability:
old dog, new tricks: innovations with presence–absence information, 845–848
what are the issues with presence–absence data for wildlife managers?, 849–860
estimating site occupancy and abundance using indirect detection indices, 874–883
relative importance of population processes and habitat characteristics in determining site occupancy of two anurans, 884–893
an occupancy modeling approach to evaluating a Palm Springs ground squirrel habitat model, 894–904
estimating and dealing with detectability in occupancy surveys for forest owls and arboreal marsupials, 905–917
modeling of site occupancy dynamics for northern spotted owls, with emphasis on the effects of barred owls, 918–932
modeling patch occupancy by forest rodents: incorporating detectability and spatial autocorrelation with hierarchically structured data, 933–949
a field-based evaluation of presence–absence protocol for monitoring ecoregional-scale biodiversity, 950–956
DeVault, Travis L., Bradley D. Reinhart, I. Lehr Brisbin, Jr., and Olin E. Rhodes, Jr. Flight behavior of black and turkey vultures: implications for reducing bird–aircraft collisions, 601–608
Devries, James H., *see* Emery, Robert B.
Devries, James H., *see* McMaster, D. Glen
DeWoody, J. Andrew. Molecular approaches to the study of parentage, relatedness, and fitness: practical applications for wild animals, 1400–1418
DeYoung, Randy W., and Leonard A. Brennan. Molecular genetics in wildlife science, conservation, and management, 1360–1361
DeYoung, Randy W., and Rodney L. Honeycutt. The molecular toolbox: genetic techniques in wildlife ecology and management, 1362–1384

Diadophis punctatus, see Snake, southern ring-necked
Dickcissel: 1–13, 194
grassland bird use of riparian filter strips in southeast Iowa, 198–210
Dickson, Brett G., Jeffrey S. Jenness, and Paul Beier. Influence of vegetation, topography, and roads on cougar movement in southern California, 264–276
Didelphis virginiana, see Opossum, Virginia
Diet: 618–629, 782–799
does prey biomass or mercury exposure affect loon chick survival in Wisconsin?, 57–67
population density–physical condition relationships in white-tailed deer, 356–365
tracing nutrient allocation to reproduction in Barrow's goldeneye, 1221–1228
influence of thinning of Douglas-fir forests on population parameters and diet of northern flying squirrels, 1670–1682
Dik-dik, Kirk's: 1400–1418
Dingledine, Jack, *see* Haig, Susan
Dinsmore, Stephen J., Gary C. White, and Fritz L. Knopf. Mountain plover population responses to black-tailed prairie dogs in Montana, 1546–1553
Dipodomys stephensi, see Rat, Stephen's kangaroo
Discriminant function analysis: 1601–1614
Disease, viral haemorrhagic: 1063–1072
Disease: 1063–1072, 1090–1098, 1434–1453, 1546–1553, 1716–1730
Dispersal: 818–820, 1400–1418
illegal translocation and genetic structure of feral pigs in western Australia, 377–384
DNA: 1360–1384, 1400–1418, 1419–1453, 1463–1474
DNA, microsatellite: 377–384, 1163–1170, 1463–1474
fine-scale genetic structure and social organization in female white-tailed deer, 332–344
population genetics of resurgence: white-tailed deer in Kentucky, 345–355
estimating population size from DNA-based closed capture–recapture data incorporating genotyping error, 396–403
population genetics of Gunnison sage-grouse: implications for management, 630–637
genetic structure of populations of European brown hare: implications for management, 760–770
genetic approaches for estimating the effective size of populations, 1385–1399
molecular approaches to the study of parentage, relatedness, and fitness: practical applications for wild animals, 1400–1418
DNA, mitochondrial: 1463–1474
population genetics of Gunnison sage-grouse: implications for management, 630–637
genetic structure of populations of European brown hare: implications for management, 760–770
the molecular toolbox: genetic techniques in wildlife ecology and management, 1362–1384
molecular approaches to the study of parentage, relatedness, and fitness: practical applications for wild animals, 1400–1418
Doerner, Kinchel C., Wes Braden, Jennifer Cork, Tom Cunningham, Amanda Rice, Bonnie J. Furman, and Doug McElroy. Population genetics of resurgence: white-tailed deer in Kentucky, 345–355
Doerr, Joseph G., Eugene J. Degayner, and Glen Ith. Winter habitat selection by Sitka black-tailed deer, 322–331
Dog, domestic: 16, 861–873
Doherty, Paul F., Jr., *see* Ball, Lianne C.
Dolichonyx oryzivorus, see Bobolink
Donovan, Therese, *see* Driscoll, Melanie J. L.
Dorosoma cepedianum, see Shad, gizzard
Double sampling:
estimating moist-soil seeds available to waterfowl with double sampling for stratification, 794–799
Dove, mourning: 211–221, 967–975
Drift fence: 549–560
Driscoll, Melanie J. L., Therese Donovan, Ruth Mickey, Alan Howard, and Kathleen K. Fleming. Determinants of wood thrush nest success: a multiscale, model selection approach, 699–709
Drought: 1–13, 549–560
Drummer, Thomas D., *see* Potvin, Marcel J.
Dryocopus pileatus, see Woodpecker, pileated
Duck, American black:
modeling regional waterfowl harvest rates using Markov chain Monte Carlo, 77–90
Duck, mallard: 101–109, 211–221, 582–591, 609–617
the effect of reward band value on midcontinent mallard band reporting rates, 800–804
seasonal variation in waterfowl nesting success and its relation to cover management in the Canadian prairies, 1181–1193
Duck, paradise shel:
movement of paradise shelduck between molt sites: a joint multistate-dead recovery mark–recapture model, 1194–1201
Duda, Jeffrey J., *see* Freilich, Jerome E.
Duffe, Jason, *see* Hebert, Craig E.
Dugger, Katie M., *see* Olson, Gail S.
Duignan, Padraig, *see* van den Hoff, John
Duncan, Lynette, *see* Browning, Dawn M.
Dunn, Erica H., *see* Francis, Charles M.
Dunn, John, *see* McAuley, Daniel G.

E

Eagle, bald: 697
foraging ecology of bald eagles in freshwater tidal system, 609–617
Echinochloa crusgalli, see Grass, barnyard
Echolocation:
effect of habitat and foraging height on bat activity in the coastal plain of South Carolina, 235–245
identifying bats from time expanded recordings of search-calls: comparing classification methods, 1601–1614
Economics:
optimizing allocation of monitoring effort under economic and observational constraints, 473–482

the effect of reward band value on midcontinent mallard band reporting rates, 800–804
Edwards, John W., *see* Menzel, Jennifer M.
Eel, American: 609–617
Eider, common:
evidence of recent population increases in common eiders breeding in Labrador, 805–809
Eider, king:
linking breeding and wintering areas of king eiders: making use of polar isotopic gradients, 1297–1304
El Niño: 1508–1515
Elaphe ebsolete spiloidese, see Snake, gray rat
Elaphe guttata, see Snake, corn
Eleutherodactylus planirostris, see Frog, greenhouse
Elevation: 150–159
Elk: 24
scale-dependent summer resource selection by reintroduced elk in Wisconsin, USA, 298–310
population estimation and biases in paintball, mark–resight surveys of elk, 1043–1052
elk reproductive response to removal of calving season disturbance by humans, 1073–1080
habitat selection by elk before and after wolf reintroduction in Yellowstone National Park, 1691–1707
Elk, Rocky Mountain:
lichen litterfall consumption by wintering deer and elk in western Montana, 1081–1089
Elk, tule:
antler breakage in tule elk, Owens Valley, California, 1747–1752
Ellsworth, Ethan, *see* Murray, Dennis
Elm, American: 198–210
Elymus elymoides, see Squirreltail
Elymus junceus, see Rye, Russian wild
Emery, Robert B., David W. Howerter, Llwellyn M. Armstrong, Michael G. Anderson, James H. Devries, and Brian L. Joynt. Seasonal variation in waterfowl nesting success and its relation to cover management in the Canadian prairies, 1181–1193
Empidonax alnorum, see Flycatcher, alder
Endangered Species Act: 1–13, 45–56, 160–173, 255–263, 396–408, 430–436, 733–751, 861–873, 894–904, 918–932, 1001–1014, 1251–1258, 1615–1622
Energetics: 246–254
microclimate versus predation risk in roost and covert selection by bobwhites, 140–149
behavior of red-tailed hawks in a wind turbine development, 150–159
puma energetics: a recalculation, 723–732
Engen, Steinar, *see* Sæther, Bernt-Erik
Epidonax virescens, see Flycatcher, Acadian
Epperson, Bryan K., *see* Scribner, Kim T.
Eptesicus fuscus, see Bat, big brown
***Eptesicus nilssonii*:** 1601–1614
***Eptesicus serotinus*:** 1601–1614
Eragrostis trichodes, see Grass, sand love
Eremophila alpestris, see Lark, horned
Ermine: 950–956
Error, false-negative:
optimizing allocation of monitoring effort under economic and observational constraints, 473–482
Error, Type I: 20–32, 264–276, 332–344
Error, Type II: 20–32, 332–344
Esox lucius, see Pike, northern
Esox niger, see Pickerel, chain
Estimator, density:
assessment of potential bias with snowshoe hare fecal pellet–plot counts, 385–395
pellet count indices compared to mark–recapture estimates for evaluating snowshoe hare density, 1053–1062
Estimator, population: 396–403, 861–883, 1251–1258
population estimation and biases in paintball, mark–resight surveys of elk, 1043–1052
pellet count indices compared to mark–recapture estimates for evaluating snowshoe hare density, 1053–1062
Estimator: 805–809
Estrada, Rosa, *see* Calvete, Carlos
Etcheverry, Pierre, Michel Crete, Jean-Pierre Ouellet, Louis-Paul Rivest, Marie-Claude Richer, and Chantal Beaudoin. Population dynamics of snowshoe hares in relation to furbearer harvest, 771–781
Etosha National Park: 1708–1715
Eubalaena australis, see Whale, southern right
Eumeces fasciatus, see Skink, five-lined
Eumeces laticeps, see Skink, broadhead
Evans, Kevin, *see* McAuley, Daniel G.
Evans, Matthew R., *see* Hobson, Keith A.

F

Falco innunculus, see Kestrel, Eurasian
Falco peregrinus, see Falcon, peregrine
Falcon, peregrine: 11
Fallbrook Naval Weapons Station: 264–276
Farancia abacura, see Snake, eastern mud
Feces:
assessment of potential bias with snowshoe hare fecal pellet–plot counts, 385–395
noninvasive genetic sampling tools for wildlife biologists: a review of applications and recommendations for accurate data collection, 1419–1433
Felis domisticus, see Cat, domestic
Femur marrow fat: 311–321
Fences: 366–376, 549–560
Ferland, Cheron L., *see* Haig, Susan
Fertilization:
nutrient enrichment, tannins, and thorns: effects on browsing of shrub seedlings, 782–793
Fescue, Idaho: 311–321, 636–649
Fescue, six-weeks: 1259–1269
Festuca idahoensis, see Fescue, Idaho
Festuca spp., *see* Grass, fescue
Ficedula albicollis, see Flycatcher, collared
Fickel, Joerns, Anke Schmidt, Mathias Putze, Meinrich Spitler, Arne Ludwig, Wolf Juergen Streich, and Christian Pitra. Genetic structure of populations of European brown hare: implications for management, 760–770
Fieberg, John, and Christopher O. Kochanny. Quanti-

fying home-range overlap: the importance of the utilization distribution, 1346–1359
Field, Iain, *see* van den Hoff, John
Field, Scott A., Andrew J. Tyre, and Hugh P. Possingham. Optimizing allocation of monitoring effort under economic and observational constraints, 473–482
Finch, purple: 689–698
Finley, Darby J., Gary C. White, and James P. Fitzgerald. Estimation of swift fox population size and occupancy rates in eastern Colorado, 861–873
Fir, balsam: 689–698, 710–722, 1240–1250, 1516–1527
Fir, Douglas: 20–32, 1221–1228, 1554–1564, 1578–1591, 1670–1682
Fir, grand: 20–32
Fir, red: 1554–1564
Fir, subalpine: 20–32
Fir, white: 1554–1564
Fire: 1–13, 124–132, 185–197, 222–234
dusky-footed woodrat demography and prescribed fire in a California oak woodland, 1211–1220
Fisher, Jason T., Colin Twitchell, Wayne Barney, Earl Jenson, and Jonathan Sharpe. Utilizing behavioral biophysics to mitigate mortality of snared endangered Newfoundland marten, 1743–1746
Fitzgerald, James P., *see* Finley, Darby J.
Fleming, Kathleen K., *see* Driscoll, Melanie J. L.
Flicker, northern: 1578–1591
Flight behavior:
behavior of red-tailed hawks in a wind turbine development, 150–159
flight behavior of black and turkey vultures: implications for reducing bird–aircraft collisions, 601–608
differences in flight characteristics of pen-reared and wild prairie-chickens, 650–654
effects of human disturbance on use of space and flight distance of mountain gazelles, 1683–1690
Flint, Paul L., *see* Nicola, Chris A.
Florida: 8, 124–132, 549–560, 1538–1545
Flycatcher, Acadian: 222–234
Flycatcher, alder: 681–688
Flycatcher, collared: 1400–1418
Flyway, Atlantic: 77–90, 561–573, 1494–1507
Flyway, Mississippi: 77–90, 1494–1507
Flyway, Pacific: 1202–1210
Fonnesbeck, Christopher J., *see* Conroy, Michael J.
Foraging behavior: 810–817, 1578–1591
does prey biomass or mercury exposure affect loon chick survival in Wisconsin?, 57–67
effect of habitat and foraging height on bat activity in the coastal plain of South Carolina, 235–245
scale-dependent summer resource selection by reintroduced elk in Wisconsin, USA, 298–310
foraging ecology of bald eagles in freshwater tidal system, 609–617
estimating moist-soil seeds available to waterfowl with double sampling for stratification, 794–799
lichen litterfall consumption by wintering deer and elk in western Montana, 1081–1089
stimulation of satiation receptors: a novel approach to wildlife management, 1475–1480
foraging and nesting habitat of breeding male northern goshawks in the Laurentain mixed forest province, Minnesota, 1516–1527
resource and spatial-use patterns of an endangered vertebrate pollinator, the lesser long-nosed bat, 1615–1622
prenesting use of intertidal habitats by piping plovers on South Monomoy Island, Massachusetts, 1731–1736
Ford, W. Mark, *see* Menzel, Jennifer M.
Forensics: DNA testing in animal forensics, 1454–1462
Forest management: 322–331, 582–600, 1528–1537
forest management alternatives and songbird breeding habitat on the Cherokee National Forest, Tennessee, 222–234
effect of habitat and foraging height on bat activity in the coastal plain of South Carolina, 235–245
swainson's warbler habitat selection in a managed bottomland hardwood forest, 409–417
spatiotemporal responses of reptiles and amphibians to timber harvest treatments, 525–539
edge- and area-sensitivity of shrubland birds, 681–688
breeding bird response to varying amounts of basal area retention in riparian buffers, 689–698
influence of partial timber harvesting on American martens in north-central Maine, 710–722
effect of pocket gophers on aspen regeneration, 752–759
the effect of scent-marking, forest clearing, and supplemental feeding on moose–train collisions, 1125–1132
foraging and nesting habitat of breeding male northern goshawks in the Laurentain mixed forest province, Minnesota, 1516–1527
site occupancy, apparent survival, and reproduction of California spotted owls in relation to forest stand characteristics, 1554–1564
snags, cavity-nesting birds, and silvicultural treatments in western Oregon, 1578–1591
influence of thinning of Douglas-fir forests on population parameters and diet of northern flying squirrels, 1670–1682
Forest succession: 222–234, 681–698, 1516–1527
Forest, old growth: 322–331
Forester, James D., *see* Anderson, Dean P.
Forsman, Eric D., *see* Olson, Gail S.
Forsyth, David M., William A. Link, Ray Webster, Graham Nugent, and Bruce Warburton. Nonlinearity and seasonal bias in an index of brushtail possum abundance, 976–984
Fossils: 4
Fox, arctic: 1419–1433
Fox, gray: 133–139, 264–276, 861–873
Fox, red: 110, 129, 582–600, 636–649, 1419–1433
red fox removal and roe deer fawn survival—a 14-year study, 1090–1098, 1181–1193
Fox, San Joaquin kit: 1419–1433
Fox, swift: 133–139, 845–848
markov chain Monte Carlo estimation of species distributions: a case study of the swift fox in western Kansas, 483–497

estimation of swift fox population size and occupancy rates in eastern Colorado, 861–873
Fraccaro, Richard, *see* van den Hoff, John
France: 160–173
Francis, Charles M., Jonathan Bart, Erica H. Dunn, Kenneth P. Burnham, and C. John Ralph. Enhancing the value of the Breeding Bird Survey: reply to Sauer et al. (2005), 1327–1332
Fraser, James D., Shannon E. Keane, and P. A. Buckley. Prenesting use of intertidal habitats by piping plovers on South Monomoy Island, Massachusetts, 1731–1736
Fratercula corniculata, see Puffin, horned
Fraxinus nigra, see Ash, black
Fraxinus pennsylvanica, see Ash, green
Freilich, Jerome E., Richard J. Camp, Jeffrey J. Duda, and Alice E. Karl. Problems with sampling desert tortoises: a simulation analysis based on field data, 45–56
French Guiana: 540–548
Frey, Kevin L., *see* Gogan, Peter J. P.
Frog, common: 1400–1418
Frog, European tree: 845–848, 884–893
Frog, green: 525–539
Frog, green tree: 549–560
Frog, greenhouse: 549–560
Frog, northern leopard: 1390
Frog, pig: 549–560
Frog, southern cricket: 549–560
Frog, southern leopard: 525–539, 549–560
Frog, squirrel tree: 549–560
Fuhlendorf, Samuel D., *see* Guthery, Fred S.
Fulbright, Timothy E., *see* Cash, Verl W.
Fuller, Angela K., and Daniel J. Harrison. Influence of partial timber harvesting on American martens in north-central Maine, 710–722
Furman, Bonnie J., *see* Doerner, Kinchel C.

G

Gadwall: 211–221
Ganey, Joseph L., *see* Block, William M.
Gantz, Glen F., and Frederick F. Knowlton. Seasonal activity areas of coyotes in the Bear River Mountains of Utah and Idaho, 1652–1659
Garcelon, David K., *see* Thompson, Craig M.
Garcia, Victoria, *see* Conway, Courtney J.
Gardner, Craig L., *see* Lawler, James P.
Gardner, James E., *see* Menzel, Jennifer M.
Garner, James D., *see* Menzel, Jennifer M.
Garrettson, Pamela R., *see* Royle, J. Andrew
Garshelis, David, L., Michael L. Gibeau, and Stephen Herrero. Grizzly bear demographics in and around Banff National Park and Kananaskis country, Alberta, 277–297
Garton, Edward O., *see* Bishop, Chad J.
Gastrophryne carolinensis, see Toad, eastern narrowmouth
Gastrophryne carolinensis, see Toad, narrow-mouthed
Gastropoda, *see* Snails
Gastropods: 1297–1304
Gaum: 1315–1320
Gauthier, Gilles, *see* Calvert, Anna M.
Gauthier, Gilles, *see* Reed, Eric T.
Gazelle gazella gazelle, see Gazelle, mountain
Gazelle, mountain:
effects of human disturbance on use of space and flight distance of mountain gazelles, 1683–1690
Genetic drift:
genetic structure of populations of European brown hare: implications for management, 760–770
genetic approaches for estimating the effective size of populations, 1385–1399
Genetics:
fine-scale genetic structure and social organization in female white-tailed deer, 332–344
population genetics of resurgence: white-tailed deer in Kentucky, 345–355
estimating population size from DNA-based closed capture–recapture data incorporating genotyping error, 396–403
population genetics of Gunnison sage-grouse: implications for management, 630–637
genetic structure of populations of European brown hare: implications for management, 760–770
biopsying southern right whales: their reactions and effects on reproduction, 1171–1180
molecular genetics in wildlife science, conservation, and management, 1360–1361
the molecular toolbox: genetic techniques in wildlife ecology and management, 1362–1384
genetic approaches for estimating the effective size of populations, 1385–1399
molecular approaches to the study of parentage, relatedness, and fitness: practical applications for wild animals, 1400–1418
noninvasive genetic sampling tools for wildlife biologists: a review of applications and recommendations for accurate data collection, 1419–1433
geographical genetics: conceptual foundations and empirical applications of spatial genetic data in wildlife management, 1434–1453
Genotoxicology: 1400–1418
Geographic Information System: 20–44, 110–123, 211–221, 264–276, 298–321, 332–344, 366–376, 430–436, 466–472, 483–514, 733–751, 905–917, 933–949, 1147–1162, 1259–1269, 1360–1361, 1528–1537, 1554–1564
quantifying usable space for wildlife with use–availability data, 655–663
a spatial model of potential jaguar habitat in Arizona, 1024–1033
Georgia: 124–132, 418–423, 1528–1545
Geothlypis trichas, see Yellowthroat, common
Gerwin, John A., *see* Peters, Kimberly A.
Gibeau, Michael L., *see* Garshelis, David L.
Gill, Kate P., *see* Hall, Graham P.
Gillis, Don, *see* Stephen, Catherine L.
Girondot, Marc, *see* Rivalan, Philippe
GIS, *see* Geographic Information System
Gjøstein, Hallvard, *see* Røed, Knut H.
Glaucomys sabrinus, see Squirrel, northern flying

Glaucomys volans, see Squirrel, southern flying
Gleditsia triacanthos, see Locust, honey
Glenn, Elizabeth M., *see* Olson, Gail S.
Glenn, Travis C., *see* Comer, Christopher
Glider, greater: 905–917
Glider, sugar: 905–917
Glider, yellow-bellied: 905–917
Global Positioning System: 71, 110–123, 140–149, 311–321, 366–384, 498–514, 601–608, 985–1000, 1099–1111, 1251–1278, 1346–1359
Gnatcatcher, blue-gray: 950–956
Godfrey, Matthew H., *see* Rivalan, Philippe
Godwit, marbled: 211–221
Gogan, Peter J. P., Kevin M. Podruzny, Edward M. Olexa, Helga Ihsle Pac, and Kevin L. Frey. Yellowstone bison fetal development and phenology of parturition, 1716–1730
Goldeneye, Barrow's:
tracing nutrient allocation to reproduction in Barrow's goldeneye, 1221–1228
Goldenrod: 198–210
Goldfinch, American: 198–210
Goldfish: 609–617
Goldstein, Anne W., *see* Matson, Tammie K.
Goldstein, Michael I., R. Neal Wilkins, and Thomas E. Lacher, Jr. Spatiotemporal responses of reptiles and amphibians to timber harvest treatments, 525–539
Golubova, E. U., *see* Harding, A. M. A.
Gomez, Douglas M., Robert G. Anthony, and John P. Hayes. Influence of thinning of Douglas-fir forests on population parameters and diet of northern flying squirrels, 1670–1682
Gonzales, Robert A., *see* Cassidy, Brandt G.
Goose, Canada: 609–617
geographical genetics: conceptual foundations and empirical applications of spatial genetic data in wildlife management, 1434–1453
impact of special early harvest seasons on subarctic-nesting and temperate-nesting Canada geese, 1494–1507
Goose, emperor: 91–97
Goose, greater snow:
effects of neck bands on reproduction and survival of female greater snow geese, 91–100
spatiotemporal heterogeneity of greater snow goose harvest and implications for hunting regulations, 561–573
Goose, lesser snow: 91–100, 1400–1418
Goose, white-fronted: 91, 582–591
Goossen, J. Paul, *see* Haig, Susan
Gopher, Botta's pocket: 618–629
Gopher, pocket:
effect of pocket gophers on aspen regeneration, 752–759
Gopherus agassizii, see Tortoise, desert
Gopherus polyphemus, see Tortoise, gopher
Goshawk, northern: 1565–1577
landscape analysis of northern goshawk breeding home range in northern Japan, 1229–1239
do breeding phase and detection distance influence the effective area surveyed for northern goshawks?, 1240–1250
foraging and nesting habitat of breeding male northern goshawks in the Laurentain mixed forest province, Minnesota, 1516–1527
night roost habitat of radiotagged northern goshawks on Lassen National Forest, California, 1737–1742
GPS, *see* Global Positioning System
Grass, barnyard: 794–799
Grass, blue grama: 1259–1269
Grass, bluebunch wheat: 311–321
Grass, brome: 198–221
Grass, cheat: 8, 311–321
Grass, crested wheat: 211–221
Grass, fescue: 110–123, 1259–1269
Grass, little bluestem: 140–149
Grass, needle and thread: 110–123, 636–649, 1259–1269
Grass, orchard: 198–210
Grass, sand love: 1259–1269
Grass, switch: 140–149
Grass, switch: 198–210
Grass, wire: 124–132
Grasslands:
North American grassland birds: an unfolding conservation crisis?, 1–13
grassland bird use of riparian filter strips in southeast Iowa, 198–210
Gray, Matthew J., and Loren M. Smith. Influence of land use on postmetamorphic body size of playa lake amphibians, 515–524
Grazing: 1–13, 185–197
habitat management for the endangered Stephen's kangaroo rat: the effect of mowing and grazing, 424–429
Great Lakes: 68–76
Great Smoky Mountains:
bait stations, hard mast, and black bear population growth in Great Smoky Mountains National Park, 1633–1640
Grebe: 609–617
Green-tree retention: 1578–1591
Griffin, Clifton P., *see* Hess, Marc F.
Griffin, Clifton P., *see* Lockwood, Mitchell A.
Griffin, Paul C., *see* Mills, L. Scott
Grouse, greater sage: 630–637, 1400–1418
greater sage-grouse nesting habitat selection and success in Wyoming, 636–649
Grouse, Gunnison sage:
population genetics of Gunnison sage-grouse: implications for management, 630–637
Grouse, prairie: 1–13
Grouse, ruffed: 689–698
Grouse, sage: 6, 402
Grouse, sharp-tailed: 211–221
relating grouse nest success and corvid density to habitat: a multiscale approach, 110–123
Grus canadensis, see Crane, sandhill
Guajillo: 782–793
Guano:
unique island habitats may be threatened by double-

crested cormorants, 68–76
Gull, black-headed: 64
Gull, herring: 582–600
Gull, mew: 582–600
Gulo gulo, see Wolverine
Gum, black: 681–688
Gundersen, Hege, *see* Andreassen, Harry P.
Guthery, Fred S., Alexander R. Rybak, W. Russ Walsh, Samuel D. Fuhlendorf, and Tim L. Hiller. Quantifying usable space for wildlife with use–availability data, 655–663
Guthery, Fred S., Leonard A. Brennan, Markus J. Peterson, and Jeffrey J. Lusk. Information theory in wildlife science: critique and viewpoint, 457–465 – *Invited paper*
Guthery, Fred S., *see* Cox, Scott A.
Guthery, Fred S., *see* Hiller, Tim L.
Guynn, David C., Jr., *see* Keyser, Patrick D.
Gymnocladus dioicus, see Tree, Kentucky coffee
Gyps fulvus, see Vulture, Giffon

H

Habitat destruction:
unique island habitats may be threatened by double-crested cormorants, 68–76
Habitat fragmentation: 374, 424–429, 430–436, 630–637, 733–738
North American grassland birds: am unfolding conservation crisis?, 1–13
modeling patch occupancy by forest rodents: incorporating detectability and spatial autocorrelation with hierarchically structured data, 933–949
landscape analysis of northern goshawk breeding home range in northern Japan, 1229–1239
Habitat selection: 110–123, 710–722, 733–751, 1229–1239, 1528–1537
landscape proportions versus Monte Carlo simulated home ranges for estimating habitat availability, 20–32
influence of vegetation, topography, and roads on cougar movement in southern California, 264–276
scale-dependent summer resource selection by reintroduced elk in Wisconsin, USA, 298–310
winter habitat selection by Sitka black-tailed deer, 322–331
habitat as a predictor of southern flying squirrel abundance in red-cockaded woodpecker cavity clusters, 418–423
summer habitat use and home-range analysis of the endangered Indiana bat, 430–436
greater sage-grouse nesting habitat selection and success in Wyoming, 636–649
quantifying usable space for wildlife with use–availability data, 655–663
an occupancy modeling approach to evaluating a Palm Springs ground squirrel habitat model, 894–904
a spatial model of potential jaguar habitat in Arizona, 1024–1033
seasonal variation in waterfowl nesting success and its relation to cover management in the Canadian prairies, 1181–1193
effects of microhabitat and microclimate selection on adult survivorship of the lesser prairie-chicken, 1270–1278
how do prey persist?, 1315–1320
site occupancy, apparent survival, and reproduction of California spotted owls in relation to forest stand characteristics, 1554–1564
resource and spatial-use patterns of an endangered vertebrate pollinator, the lesser long-nosed bat, 1615–1622
giant panda habitat selection in Foping Nature Reserve, China, 1623–1632
monitoring and habitat analysis for wolves in upper Michigan, 1660–1669
habitat selection by elk before and after wolf reintroduction in Yellowstone National Park, 1691–1707
microhabitat use by black-faced impala in the Etosha National Park, Namibia, 1708–1715
Hackberry: unique island habitats may be threatened by double-crested cormorants, 68–76
Haematopus palliatus palliates, see Oystercatcher, American
Haffner, G. Douglas, *see* Hebert, Craig E.
Hagen, Christian A., *see* Pitman, James C.
Haig, Susan M., Cheron L. Ferland, Francesca J. Cuthbert, Jack Dingledine, J. Paul Goossen, Anne Hecht, and Nell McPhillips. A complete species census and evidence for regional declines in piping plovers, 160–173
Haines, Aaron M., Michael E. Tewes, and Linda L. Laack. Survival and sources of mortality in ocelots, 255–263
Hair snare survey: 874–883
Haliaeetus leucocephalus, see Eagle, bald
Halichoerus grypus, see Seal, grey
Hall, Graham P., and Kate P. Gill. Management of wild deer in Australia, 837–844 – *Invited paper*
Halteman, William, *see* McAuley, Daniel G.
Hammill, Jim H., *see* Potvin, Marcel J.
Hampton, Jordan O., *see* Spencer, Peter B. S.
Hannon, Susan J., *see* Manzer, Douglas L.
Hanowski, Joann, Nick Danz, Jim Lind, and Gerald Niemi. Breeding bird response to varying amounts of basal area retention in riparian buffers, 689–698
Hansen, Helge, *see* Røed, Knut H.
Hardin, Jason B., Leonard A. Brennan, Fidel Hernández, Eric J. Redeker, and William P. Kuvlesky, Jr. Empirical tests of hunter–covey interface models, 498–514
Harding, A. M. A., J. F. Piatt, G. V. Byrd, S. A. Hatch, N. B. Konyukhov, E. U. Golubova, and J. C. Williams. Variability in colony attendance of crevice-nesting horned puffins: implications for population monitoring, 1279–1296
Hare, European brown:
genetic structure of populations of European brown hare: implications for management, 760–770
Hare, snowshoe: 710–722, 1523, 1743–1746
assessment of potential bias with snowshoe hare fecal pellet-plot counts, 385–395
population dynamics of snowshoe hares in relation to

furbearer harvest, 771–781
pellet count indices compared to mark–recapture estimates for evaluating snowshoe hare density, 1053–1062
Haroldson, Brian S., *see* Brinkman, Todd J.
Harrier, northern: 133–139, 211–221, 950–956
Harrington, Brian, *see* Brown, Stephen C.
Harrison, Daniel J., *see* Fuller, Angela K.
Harrison, Daniel J., *see* Hoving, Christopher L.
Hartigan, Jerry J., *see* Merrill, Evelyn H.
Hartke, Kevin M., *see* Reinecke, Kenneth J.
Harvest: 9, 332–344, 356–376
why compensating wildlife damages may be bad for conservation, 14–19
modeling regional waterfowl harvest rates using Markov chain Monte Carlo, 77–90
illegal translocation and genetic structure of feral pigs in western Australia, 377–384
empirical tests of hunter–covey interface models, 498–514
spatiotemporal heterogeneity of greater snow goose harvest and implications for hunting regulations, 561–573
population dynamics of snowshoe hares in relation to furbearer harvest, 771–781
the effect of reward band value on midcontinent mallard band reporting rates, 800–804
cognitive processes in hunters' recall of participation and harvest estimates, 967–975
does recreational hunting of lynx reduce depredation losses of domestic sheet?, 1034–1042
catch per unit effort for moose: a new approach using Weibull regression, 1112–1124
movement of paradise shelduck between molt sites: a joint multistate-dead recovery mark–recapture model, 1194–1201
impact of special early harvest seasons on subarctic-nesting and temperate-nesting Canada geese, 1494–1507
effects of hunting on survival of American woodcock in the northeast, 1565–1577
conservation risks of male-selective harvest for mammals with low reproductive potential, 1592–1600
yearling and subadult black bear survival in a hunted Virginia population, 1641–1651
Hatch, S. A., *see* Harding, A. M. A.
Hatten, James R., Annalaura Averill-Murray, and William E. van Pelt. A spatial model of potential jaguar habitat in Arizona, 1024–1033
Hawk, Cooper's: 133–139, 1565–1577
Hawk, red-tailed: 133–139
behavior of red-tailed hawks in a wind turbine development, 150–159
Hawk, sharp-shinned: 133–139, 1565–1577
Hayes, John P., *see* Gomez, Douglas M.
Heath, Brian J., *see* Holloran, Matthew J.
Hebert, Craig E., and Leonard I. Wassenaar. Stable isotopes provide evidence for poor northern pintail production on the Canadian prairies, 101–109
Hebert, Craig E., Jason Duffe, D.V. Chip Weseloh, E. M. Ted Senese, and G. Douglas Haffner. Unique island habitats may be threatened by double-crested cormorants, 68–76
Hecht, Anne, *see* Haig, Susan
Helianthus annuus, see Sunflower, common
Hemlock, eastern: 222–234
Hemlock, western: 20–32, 322–331
Henningsen, John C., and Louis B. Best. Grassland bird use of riparian filter strips in southeast Iowa, 198–210
Herbivory: 782–793
Herfindal, Ivar, John D. C. Linnell, Pål F. Moa, John Odden, Lars B. Austmo, and Reidar Andersen. Does recreational hunting of lynx reduce depredation losses of domestic sheet?, 1034–1042
Hernández, Fidel, *see* Hardin, Jason B.
Herrero, Stephen, *see* Garshelis, David L.
Herring, blueback: 609–617
Hess, Marc F., Nova J. Silvy, Clifton P. Griffin, Roel R. Lopez, and Donald S. Davis. Differences in flight characteristics of pen-reared and wild prairie-chickens, 650–654
Heteranthera reniformis, see Plantain, mud
Heterogeneity:
spatiotemporal heterogeneity of greater snow goose harvest and implications for hunting regulations, 561–573
Hewitt, David G., *see* McCoy, J. Evan
Hibernacula: 430–436
using partitioned Mahalanobis D^2 (k) to formulate a GIS-based model of timer rattlesnake hibernacula, 33–44
Hickory, bitternut: 33–44
Hickory, shellbark: 33–44, 430–436
Hill, Hoke S., Jr., *see* Keyser, Patrick D.
Hiller, Tim L., and Fred S. Guthery. Microclimate versus predation risk in roost and covert selection by bobwhites, 140–149
Hiller, Tim L., *see* Guthery, Fred S.
Himantopus mexicanus, see Stilts, black-necked
Hinkes, Michael T., Gail H. Collins, Lawrence J. Van Daele, Steven D. Kovach, Andrew R. Aderman, James D. Woolington, and Roger J. Seavoy. Influence of population growth on caribou herd identity, calving ground fidelity, and behavior, 1147–1162
Hirundo rustica, see Swallow, barn
Hobson, Keith A., Jonathan E. Thompson, Matthew R. Evans, and Sean Boyd. Tracing nutrient allocation to reproduction in Barrow's goldeneye, 1221–1228
Hobson, Keith A., *see* Mehl, Katherine R.
Hodges, Karen E., *see* Mills, L. Scott
Hodges, Wendy L., *see* Barrows, Cameron W.
Hofmann, Joyce E., *see* Menzel, Jennifer M.
Holand, Østein, *see* Røed, Knut H.
Holloran, Matthew J., Brian J. Heath, Alison G. Lyon, Steven J. Slater, Jarren L. Kuipers, and Stanley H. Anderson. Greater sage-grouse nesting habitat selection and success in Wyoming, 636–649
Home range: 298–310, 322–331, 710–722, 1147–1162
landscape proportions versus Monte Carlo simulated home ranges for estimating habitat availability, 20–32
dispersal by yearling male white-tailed deer and implications for management, 366–376
summer habitat use and home-range analysis of the endangered Indiana bat, 430–436
movement of female white-tailed deer: effects of climate

and intensive row-crop agriculture, 1099–1111
landscape analysis of northern goshawk breeding home range in northern Japan, 1229–1239
survival, movements, and reproduction of released captive-reared Attwater's prairie-chicken, 1251–1258
location and success of lesser prairie-chicken nests in relation to vegetation and human disturbance, 1259–1269
quantifying home-range overlap: the importance of the utilization distribution, 1346–1359
resource and spatial-use patterns of an endangered vertebrate pollinator, the lesser long-nosed bat, 1615–1622
Honeycutt, Rodney L., *see* DeYoung, Randy W.
Hoover, Stacia L. and Michael L. Morrison. Behavior of red-tailed hawks in a wind turbine development, 150–159
Hoving, Christopher L., Daniel J. Harrison, William B. Krohn, Ronald A. Joseph, and Mike O'Brien. Broad-scale predictors of Canada lynx occurrence in eastern North America, 739–751
Howard, Alan, *see* Driscoll, Melanie J. L.
Howe, Marshall, *see* Brown, Stephen C.
Howerter, David W., *see* Emery, Robert B.
Huettmann, Falk. Databases and science-based management in the context of wildlife and habitat: toward a certified ISO standard for objective decision-making for the global community by using the internet, 466–472 – *Research and Management Viewpoint*
Human disturbance: 805–809
quantifying spatiotemporal overlap of Alaskan brown bears and people, 810–817
effects of transportation infrastructure on grizzly bears in northwestern Montana, 985–1000
elk reproductive response to removal of calving season disturbance by humans, 1073–1080
short-term impacts of military overflights on caribou during calving season, 1133–1146
location and success of lesser prairie-chicken nests in relation to vegetation and human disturbance, 1259–1269
effects of human disturbance on use of space and flight distance of mountain gazelles, 1683–1690
Hunting *see* Harvest
Hybridization: 1400–1418
Hydrurga leptonyx, see Seal, leopard
Hyla arborea, see Frog, European tree
Hyla cinerea, see Frog, green tree
Hyla squirella, see Frog, squirrel tree
Hylocichla mustelina, see Thrush, wood
***Hypsugo savii*:** 1601–1614

I

Ictalurus catus, see Catfish, white
Ictalurus nebulosus, see Bullhead, brown
Icteria virens, see Chat, yellow-breasted
Idaho: 20–32, 311–321, 385–395, 630–637, 723–732, 1652–1659
Idaho Panhandle National Forest: 385–395
Ikeda, Kazuhiko, *see* Kudo, Takuma
Illinois: 967–975
Implala, black-faced:
microhabitat use by black-faced impala in the Etosha National Park, Namibia, 1708–1715
Inclination: 150–159
Index, southern oscillation: 1508–1515
Index, Stratified Lincoln: 45–56
India: 17
Indiana: 933–949
Indirect Detection Indices: 874–883
Indonesia: 821–826
Insect larvae: 57–67
International Piping Plover Breeding and Winter Census: 160–173
Internet:
databases and science-based management in the context of wildlife and habitat: toward a certified ISO standard for objective decision-making for the global community by using the internet, 466–472 – *Research and Management Viewpoint*
Iowa: 198–210
Islands:
unique island habitats may be threatened by double-crested cormorants, 68–76
Isotopes:
stable isotopes provide evidence for poor northern pintail production on the Canadian prairies, 101–109
tracing nutrient allocation to reproduction in Barrow's goldeneye, 1221–1228
linking breeding and wintering areas of king eiders: making use of polar isotopic gradients, 1297–1304
Israel: 1683–1690
Italy: 1601–1614
Ith, Glen, *see* Doerr, Joseph G.

J

Jackson, Victoria L., Linda L. Laack, and Earl G. Zimmerman. Landscape metrics associated with habitat use by ocelots in south Texas, 733–738
Jaguar:
a spatial model of potential jaguar habitat in Arizona, 1024–1033
Japan. 1229–1239
Jarman, Peter J., *see* Matson, Tammie K.
Jarnemo, Anders, and Olof Liberg. Red fox removal and roe deer fawn survival—a 14-year study, 1090–1098
Jay, blue: 689–709
Jenks, Jonathan A., *see* Brinkman, Todd J.
Jenks, Jonathan A., *see* Thompson, Daniel J.
Jenness, Jeffrey S., *see* Dickson, Brett G.
Jenson, Earl, *see* Fisher, Jason T.
Johnson, Douglas H., *see* Sargeant, Glen A.
Johnson, Douglas H., *see* Winter, Maiken
Johnson, Heather E., Vernon C. Bleich, and Paul R. Krausman. Antler breakage in tule elk, Owens Valley, California, 1747–1752
Jones, Bobette E., *see* Rickman, Tom H.
Joseph, Ronald A., *see* Hoving, Christopher L.
Joshua Tree National Park: 45–56
Joynt, Brian L., *see* Emery, Robert B.

Juglans nigra, see Walnut, black

K

Kaier, Julie A. K., *see* Schmidt, Jennifer I.
Kansas: 483–497 1259–1269
Karl, Alice E., *see* Freilich, Jerome E.
Katnik, Donald D., and Robert B. Wielgus. Landscape proportions versus Monte Carlo simulated home ranges for estimating habitat availability, 20–32
Kavanagh, Rodney P., *see* Wintle, Brendan A.
Kelt, Douglas A., Eddy S. Konno and James A. Wilson. Habitat management for the endangered Stephen's kangaroo rat: the effect of mowing and grazing, 424–429
Kendall, William L., *see* Sheaffer, Susan E.
Kennedy, Patricia L., *see* Boal, Clint W.
Kennedy, Patricia L., *see* Roberson, Aimee M.
Kentucky: 345–355
Kestrel, Eurasian: 158
Keyser, Patrick D., David C. Guynn, Jr., and Hoke S. Hill, Jr. Population density–physical condition relationships in white-tailed deer, 356–365
Kilgo, John C., *see* Comer, Christopher
Kilgo, John C., *see* Menzel, Jennifer M.
Killdeer: 171, 677
shorebird habitat use and nest-site selection in the Playa Lakes region, 174–184
King, Rudy, *see* Block, William M.
Kinosternon subrubrum, see Turtle, eastern mud
Klaus, Nathan A., David A. Buehler, and Arnold M. Saxton. Forest management alternatives and songbird breeding habitat on the Cherokee National Forest, Tennessee, 222–234
Knopf, Fritz L., *see* Dinsmore, Stephen J.
Knowlton, Frederick F., *see* Gantz, Glen F.
Kochanny, Christopher O., *see* Fieberg, John
Konno, Eddy S., *see* Kelt, Douglas A.
Konyukhov, N. B., *see* Harding, A. M. A.
Kovach, Steven D., *see* Hinkes, Michael T.
Krausman, Paul R., *see* Johnson, Heather E.
Krementz, David G., *see* Lehnen, Sarah E.
Krohn, William B., *see* Hoving, Christopher L.
Kudo, Takuma, Kenichi Ozaki, Gen Takao, Tomotake Sakai, Hiroshi Yonekawa, and Kazuhiko Ikeda. Landscape analysis of northern goshawk breeding home range in northern Japan, 1229–1239
Kuipers, Jarren L., *see* Holloran, Matthew J.
Kuvlesky, William P., Jr., *see* Brennan, Leonard A.
Kuvlesky, William P., Jr., *see* Hardin, Jason B.

L

Laack, Linda L., *see* Haines, Aaron M.
Labrador: 805–809
Lacher, Thomas E., Jr., *see* Goldstein, Michael I.
Lack, Linda L., *see* Jackson, Victoria L.
Lagopus leucurus, see Ptarmigan
Laguan Atascosa National Wildlife Refuge: 255–263
Lake Erie:
unique island habitats may be threatened by double-crested cormorants, 68–76
Lampropeltis getula getula, see Snake, eastern king
Lancia, Richard A., *see* Peters, Kimberly A.
Landa, Arild, *see* Sæther, Bernt-Erik
Landscape: 101–109, 739–751, 1024–1033, 1516–1527
landscape proportions versus Monte Carlo simulated home ranges for estimating habitat availability, 20–32
grassland birds nesting in haylands of southern Saskatchewan: landscape influences and conservation priorities, 211–221
dispersal by yearling male white-tailed deer and implications for management, 366–376
influence of land use on postmetamorphic body size of playa lake amphibians, 515–524
landscape metrics associated with habitat use by ocelots in south Texas, 733–738
catch per unit effort for moose: a new approach using Weibull regression, 1112–1124
landscape analysis of northern goshawk breeding home range in northern Japan, 1229–1239
evaluation of the landscape surrounding northern bobwhite nest sites: a multiscale analysis, 1528–1537
Larch, western: 20–32
Larix laricina, see Tamarack
Larix occidentalis, see Larch, western
Lark, horned: 4, 211–221
Larrea tridentata, see Creosote
Larus argentatus, see Gull, herring
Larus canus, see Gull, mew
Larus ridibundus, see Gull, black-headed
Lasiurus borealis, see Bat, eastern red
Lasiurus cinerius, see Bat, hoary
Lasiurus intermedius, see Bat, northern yellow
Lasiurus seminolus, see Bat, Seminole
Lassen National Forest: 1737–1742
Lates niloticus, see Perch, Nile
Laundré, John W. Puma energetics: a recalculation, 723–732
Lawler, James P., Audrey J. Magoun, C. Tom Seaton, Craig L. Gardner, Rodney D. Boertje, Jay M. Ver Hoff, and Patricia A. Del Vecchio. Short-term impacts of military overflights on caribou during calving season, 1133–1146
Leberg, Paul. Genetic approaches for estimating the effective size of populations, 1385–1399
Lee, Cheng-Yu, *see* Scribner, Kim T.
Lee, Daniel J., and Michael R. Vaughan. Yearling and subadult black bear survival in a hunted Virginia population, 1641–1651
Lee, Derek E., and William D. Tietje. Dusky-footed woodrat demography and prescribed fire in a California oak woodland, 1211–1220
Leech: 57–67
Legal cases:
DNA testing in animal forensics, 1454–1462
Lehnen, Sarah E., and David G. Krementz. Turnover rates of fall-migrating pectoral sandpipers in the lower Mississippi Alluvial Valley, 671–680

Lemming, northern bog: 246–254
Leopardus pardalis, see Ocelot
Lepomis auritus, see Sunfish, redbreast
Lepomis macrochirus, see Bluegill
Leptonycteris curasoae, see Bat, lesser long–nosed
Lepus americanus, see Hare, snowshoe
Lepus europaeus, see Hare, European brown
Leslie matrix: 277–297
Lethal control: 14–19
Lewis-Weis, Lynn A., *see* White, Craig G.
Leymus cinereus, see Rye, basin wild
Li, Bai-Lain, *see* Barrows, Cameron W.
Liberg, Olof, *see* Jarnemo, Anders
Lichen:
lichen litterfall consumption by wintering deer and elk in western Montana, 1081–1089
Lily, sand: 1259–1269
Limnothlypis swainsonii, see Warbler, Swainson's
Limosa fedoa, see Godwit, marbled
Lind, Jim, *see* Hanowski, Joann
Lindberg, Mark S., *see* Walker, Johann
Link, William A., *see* Forsyth, David M.
Link, William A., *see* Sauer, John R.
Linnell, John D. C., *see* Herfindal, Ivar
Lion, mountain: 818–820
landscape proportions versus Monte Carlo simulated home ranges for estimating habitat availability, 20–32
puma energetics: a recalculation, 723–732
Liriodendron tulipifera, see Poplar, tulip
Litter: 185–210
lichen litterfall consumption by wintering deer and elk in western Montana, 1081–1089
Liu, Xeuhua, Albertus G. Toxopeus, Andrew K. Skidmore, Xiaoming Shao, Gaodi Dang, Tiejun Wang, and Herbert H. T. Prins. Giant panda habitat selection in Foping Nature Reserve, China, 1623–1632
Livestock: 110–123, 752–759, 1024, 1259–1269
why compensating wildlife damages may be bad for conservation, 14–19
does recreational hunting of lynx reduce depredation losses of domestic sheet?, 1034–1042
Lizard, Coachella Valley fringe–toed: 1333–1345
Lizard, eastern glass: 549–560
Lizard, flat-tailed horned: 1333–1345
Lockwood, Mitchell A., Clifton P. Griffin, Michael E. Morrow, Charles J. Randel and Nova J. Silvy. Survival, movements, and reproduction of released captive-reared Attwater's prairie-chicken, 1251–1258
Locust, honey: 198–210
Longcore, Jerry R., *see* McAuley, Daniel G.
Lopez, Roel R., *see* Hess, Marc F.
Loschl, Peter J., *see* Olson, Gail S.
Loughin, Thomas M., *see* Pitman, James C.
Louisiana: 1538–1545
Lower Mississippi Alluvial Valley: 671–680
Lucia, Duane R., *see* Abbott, C. Wade
Ludwig, Arne, *see* Fickel, Joerns
Lukacs, Paul M., and Kenneth P. Burnham. Estimating population size from DNA-based closed capture–recapture data incorporating genotyping error, 396–403
Lusk, Jeffrey J., *see* Cox, Scott A.
Lusk, Jeffrey J., *see* Guthery, Fred S.
Lutra lutra, see Otter
Luukkonen, David R., *see* Scribner, Kim T.
Lynx canadensis, see Lynx
Lynx lynx, see Lynx, Eurasian
Lynx rufus, see Bobcat
Lynx: 393, 402, 1053–1062, 1419–1433
broad-scale predictors of Canada lynx occurrence in eastern North America, 739–751
Lynx, Eurasian:
does recreational hunting of lynx reduce depredation losses of domestic sheet?, 1034–1042
Lyon, Alison G., *see* Holloran, Matthew J.

M

MacCluskie, Margaret C., *see* Walker, Johann
MacKenzie, Darryl I. What are the issues with presence–absence data for wildlife managers?, 849–860
Madoqua kirkii, see Dik-dik, Kirk's
Magoun, Audrey J., *see* Lawler, James P.
Magpie: 110–123
Maguire, Chris C., *see* Walter Scott T.
Mahogany, leaf mountain: 311–321
Maine: 710–722, 1565–1577
Mandrone: 20–32
Mange, sarcoptic: 1090–1098
Manley, Patricia N., Matthew D. Schlesinger, Julie K. Roth, and Beatrice Van Horne. A field-based evaluation of presence–absence protocol for monitoring ecoregional-scale biodiversity, 950–956
Mannan, R. William, *see* Matter, William J.
Manor, Regev, and David Saltz. Effects of human disturbance on use of space and flight distance of mountain gazelles, 1683–1690
Manzer, Douglas L, and Susan J. Hannon. Relating grouse nest success and corvid density to habitat: a multiscale approach, 110–123
Mao, Julie S., Mark S. Boyce, Douglas W. Smith, Francis J. Singer, David J. Vales, John M. Vore, and Evelyn H. Merrill. Habitat selection by elk before and after wolf reintroduction in Yellowstone National Park, 1691–1707
Maple, red: 235–245, 710–722, 1240–1250, 1516–1527
Maple, silver: 198–210, 298–310, 430–436
Maple, sugar: 681–688, 710–722, 1240–1250, 1516–1527
Marcum, C. Les, *see* Ward, Richard L.
Marmot, alpine: 1400–1418
Marmota marmota, see Marmot, alpine
Marsupials:
estimating and dealing with detectability in occupancy surveys for forest owls and arboreal marsupials, 905–917
nonlinearity and seasonal bias in an index of brushtail possum abundance, 976–984
Marten, American:
influence of partial timber harvesting on American

martens in north-central Maine, 710–722
Marten, Newfoundland:
utilizing behavioral biophysics to mitigate mortality of snared endangered Newfoundland marten, 1743–1746
Martes americana, see Marten, American
Martinoli, Adriano, *see* Preatoni, Damiano G.
Massachusetts: 1538–1545, 1731–1736
Mast:
bait stations, hard mast, and black bear population growth in Great Smoky Mountains National Park, 1633–1640
Mastomys natalensis, see Rat
Matson, Tammie K., Anne W. Goldstein, and Peter J. Jarman. Microhabitat use by black-faced impala in the Etosha National Park, Namibia, 1708–1715
Matt, Colleen, *see* Tollefson, Troy N.
Matter, William J., and R. William Mannan. How do prey persist?, 1315–1320
McAuley, Daniel G., Jerry R. Longcore, David A. Clugston, R. Bradford Allen, Andrew Weik, Scot Williamson, John Dunn, Bill Palmer, Kevin Evans, Will Staats, Greg F. Sepik, and William Halteman. Effects of hunting on survival of American woodcock in the northeast, 1565–1577
McCarthy, Michael A., *see* Wintle, Brendan A.
McCoy, J. Evan, David G. Hewitt, and Fred C. Bryant. Dispersal by yearling male white-tailed deer and implications for management, 366–376
McCracken, Gary F., *see* Menzel, Jennifer M.
McDonald, Matthew W., *see* Ball, Lianne C.
McDonough, Thomas J., and Eric Rexstad. Short-term demographic response of the red-backed vole to spruce beetle infestations in Alaska, 246–254
McDougall, Matthew, *see* Barker, Richard J.
McElroy, Doug, *see* Doerner, Kinchel C.
McKelvey, Kevin, *see* Mills, L. Scott
McLoughlin, Philip D., Mitchell K. Taylor, and François Messier. Conservation risks of male-selective harvest for mammals with low reproductive potential, 1592–1600
McMahon, Clive, *see* van den Hoff, John
McMaster, D. Glen, James H. Devries, and Stephen K. Davis. Grassland birds nesting in haylands of southern Saskatchewan: landscape influences and conservation priorities, 211–221
McPhilips, Nell, *see* Haig, Susan
Meadowlark, eastern: 198–210
Meadowlark, western: 4, 211–221
Medicago sativa, see Alfalfa
Medusahead: 311–321
Meehan, Joe, *see* Tollefson, Troy N.
Mehl, Katherine R., Ray T. Alisauskas, Keith A. Hobson, and Flemming R. Merkel. Linking breeding and wintering areas of king eiders: making use of polar isotopic gradients, 1297–1304
Meleagris gallopavo, see Turkey, wild
Melospiza georgiana, see Sparrow, swamp
Melospiza melodia, see Sparrow, song
Menzel, Jennifer M., Michael A. Menzel, Jr., John C. Kilgo, W. Mark Ford, John W. Edwards, and Gary F. McCracken. Effect of habitat and foraging height on bat activity in the coastal plain of South Carolina, 235–245
Menzel, Jennifer M., W. Mark Ford, Michael A. Menzel, Timothy C. Carter, James E. Gardner, James D. Garner, and Joyce E. Hofmann. Summer habitat use and home-range analysis of the endangered Indiana bat, 430–436
Menzel, Michael A., Jr., *see* Menzel, Jennifer M.
Mephitis mephitis, see Skunk, striped
Mercury: does prey biomass or mercury exposure affect loon chick survival in Wisconsin?, 57–67
Merganser, common: 609–617
Mergus merganser, see Merganser, common
Merkel, Flemming R., *see* Mehl, Katherine R.
Merrill, Evelyn H., Jerry J. Hartigan, and Michael W. Meyer. Does prey biomass or mercury exposure affect loon chick survival in Wisconsin?, 57–67
Merrill, Evelyn H., *see* Mao, Julie S.
Mesquite: 894–904
Messier, François, *see* McLoughlin, Philip D.
Mexico: 782–793
Meyer, Michael W., *see* Merrill, Evelyn H.
Michigan: 57, 1434–1453
Mickey, Ruth, *see* Driscoll, Melanie J. L.
Micropterus salmoides, see Bass, largemouth
Microtus mexicanus, see Vole, Mexican
Microtus oeconomus, see Vole, tundra
Microtus xanthognathus, see Vole, yellow-cheeked
Migration: 14–19, 70, 549–560, 561–573, 1494–1507, 1652–1659
turnover rates of fall-migrating pectoral sandpipers in the lower Mississippi Alluvial Valley, 671–680
movement of female white-tailed deer: effects of climate and intensive row-crop agriculture, 1099–1111
prenesting use of intertidal habitats by piping plovers on South Monomoy Island, Massachusetts, 1731–1736
Milkvetch, Coachella Valley: 1333–1345
Miller, Craig A., *see* Beaman, Jay
Miller, Karl V., *see* Comer, Christopher
Mills, L. Scott, Paul C. Griffin, Karen E. Hodges, Kevin McKelvey, Len Ruggiero, and Todd Ulizio. Pellet count indices compared to mark–recapture estimates for evaluating snowshoe hare density, 1053–1062
Millspaugh, Joshua J., *see* Skalski, John R.
Mines: 7
***Miniopterus schreibersii*:** 1601–1614
Mink: 582–600, 1419–1433, 1565–1577
Minnesota: 57–63, 185–197, 689–698, 1099–1111, 1240–1250, 1346–1359, 1516–1527
Minnow: 57–67
Mississippi: 794–799
Missouri: 120, 138
Mitchell, Lee R., C. Ray Chandler, and Lawrence D. Carlile. Habitat as a predictor of southern flying squirrel abundance in red-cockaded woodpecker cavity clusters, 418–423
Mitchell, Peter, *see* van den Hoff, John
Mitchell, Robert B., *see* Abbott, C. Wade
Mniotilta varia, see Warbler, black-and-white
Moa, Pål F., *see* Herfindal, Ivar

Model, closed population: 396–403
Model, Cormack–Jolly–Seber: 93, 246–254, 424–429
Modeling: 33–56, 77–100, 222–234, 264–276, 345–355, 396–403, 540–548, 800–804, 976–984, 1001–1014, 1053–1062, 1112–1124, 1202–1210, 1229–1239, 1259–1269, 1546–1553, 1592–1600, 1633–1640
information theory in wildlife science: critique and viewpoint, 457–465 – *Invited paper*
empirical tests of hunter–covey interface models, 498–514
determinants of wood thrush nest success: a multi-scale, model selection approach, 699–709
broad-scale predictors of Canada lynx occurrence in eastern North America, 739–751
old dog, new tricks: innovations with presence–absence information, 845–848
what are the issues with presence–absence data for wildlife managers?, 849–860
estimating site occupancy and abundance using indirect detection indices, 874–883
relative importance of population processes and habitat characteristics in determining site occupancy of two anurans, 884–893
an occupancy modeling approach to evaluating a Palm Springs ground squirrel habitat model, 894–904
estimating and dealing with detectability in occupancy surveys for forest owls and arboreal marsupials, 905–917
modeling of site occupancy dynamics for northern spotted owls, with emphasis on the effects of barred owls, 918–932
modeling patch occupancy by forest rodents: incorporating detectability and spatial autocorrelation with hierarchically structured data, 933–949
a field-based evaluation of presence–absence protocol for monitoring ecoregional-scale biodiversity, 950–956
estimating body mass and condition of leopard seals by allometrics, 1015–1023
a spatial model of potential jaguar habitat in Arizona, 1024–1033
movement of paradise shelduck between molt sites: a joint multistate-dead recovery mark–recapture model, 1194–1201
a framework for monitoring multiple species conservation plans, 1333–1345
geographical genetics: conceptual foundations and empirical applications of spatial genetic data in wildlife management, 1434–1453
Modeling, Bayesian: 77, 377–384, 483–497, 976–984, 1385–1399
Mohave Desert: 54
Molothrus ater, see Cowbird, brownheaded
Monitoring: 861–873, 884–893, 1538–1545, 1565–1577
optimizing allocation of monitoring effort under economic and observational constraints, 473–482
a field-based evaluation of presence–absence protocol for monitoring ecoregional-scale biodiversity, 950–956
variability in colony attendance of crevice-nesting horned puffins: implications for population monitoring, 1279–1296
using the North American Breeding Bird Survey as a tool for conservation: a critique of Bart et al. (2004), 1321–1326
enhancing the value of the Breeding Bird Survey: reply to Sauer et al. (2005), 1327–1332
a framework for monitoring multiple species conservation plans, 1333–1345
monitoring and habitat analysis for wolves in upper Michigan, 1660–1669
Montana: 985–1000, 1053–1062, 1081–1089, 1546–1553, 1716–1730
Monte Carlo simulation: 53–56, 874–883
landscape proportions versus Monte Carlo simulated home ranges for estimating habitat availability, 20–32
modeling regional waterfowl harvest rates using Markov chain Monte Carlo, 77–90
Monte Carlo, Markov chain: 976–984
modeling regional waterfowl harvest rates using Markov chain Monte Carlo, 77–90
Markov chain Monte Carlo estimation of species distributions: a case study of the swift fox in western Kansas, 483–497
Montevecchi, William A., *see* Chaulk, Keith
Moore, Clinton T., *see* White, Craig G.
Moore, Jeffrey E., and Robert K. Swihart. Modeling patch occupancy by forest rodents: incorporating detectability and spatial autocorrelation with hierarchically structured data, 933–949
Moose: 24
catch per unit effort for moose: a new approach using Weibull regression, 1112–1124
the effect of scent-marking, forest clearing, and supplemental feeding on moose–train collisions, 1125–1132
Moreno, Sacramento, *see* Calvete, Carlos
Morone americana, see Perch, white
Morone saxatilis, see Bass, striped
Morphometrics: 1015–1023
Morrison, Michael L., *see* Hoover, Stacia L.
Morrow, Michael E., *see* Lockwood, Mitchell A.
Mortality: 311–321, 650–654, 1063–1072, 1565–1577
survival and sources of mortality in ocelots, 255–263
mitigation measures to reduce highway mortality of turtles and other herpetofauna at a north Florida lake, 549–560
survival and cause-specific mortality of female northern pintails in southern Saskatchewan, 574–581
utilizing behavioral biophysics to mitigate mortality of snared endangered Newfoundland marten, 1743–1746
Morus rubra, see Mulberry, red
Mouse, brush: 618–629
Mouse, deer: 618–629
Mouse, Great Basin pocket: 950–956
Mouse, Palm Springs pocket: 1333–1345
Mouse, white-footed: 618–629
modeling patch occupancy by forest rodents: incorporating detectability and spatial autocorrelation with hierarchically structured data, 933–949
Mowing:
habitat management for the endangered Stephen's kan-

garoo rat: the effect of mowing and grazing, 424–429
Mulberry, red: 198–210
Murray, Dennis, Ethan Ellsworth, and Arthur Zack. Assessment of potential bias with snowshoe hare fecal pellet-plot counts, 385–395
Murrelet, marbled: 845–848
Muskrat: 609–617
Mustela erminea, see Ermine
Mustela frenata, see Weasel, long-tailed
Mustela vison, see Mink
***Myotis bechsteinii*:** 1601–1614
***Myotis blythii*:** 1601–1614
***Myotis capaccinii*:** 1601–1614
***Myotis emarginatus*:** 1601–1614
***Myotis mystacinus*:** 1601–1614
Myotis thysanodes, see Bat, fringed myotis
Myotis volans, see Bat, long-legged
Myxomatosis: 1063–1072

N

Namibia: 1708–1715
National Forest System: 950–956
Neotoma fuscipes, see Rat, dusky-footed wood
Neotoma lepida, see Rat, desert wood
Neotoma mexicana, see Rat, Mexican wood
Neotropical migrant: 160–173
Nerodia floridana, see Snake, Florida green water
Nerodia sipedon insularum, see Snake, Lake Erie water
Net, mist: 235–245, 671–680
New Hampshire: 1565–1577
New Jersey: 1538–1545
New Mexico: 1270–1278
New York: 609–617, 699–709
New Zealand: 976–984, 1015–1023, 1194–1201, 1508–1515
Newt, central: 549–560
Nichols, James D., *see* Sauer, John R.
Nicola, Chris A., Paul L. Flint, and Michael L. Wege. Annual survival and site fidelity of northern pintails banded on the Yukon–Kuskokwim Delta, Alaska, 1202–1210
Niemi, Gerald, *see* Hanowski, Joann
Ninox strenua, see Owl, powerful
Nodari, Mosè, *see* Preatoni, Damiano G.
Nodobryoria spp., *see* Lichen
North American Bird Conservation Initiative: 1–13
North American Waterfowl Management Plan: 1–13
North Carolina: 1538–1545
North Dakota: 185–197, 211–221
Norway: 1034–1042, 1125–1132, 1163–1170
Notemigonus crysoleucas, see Shiner, golden
Notophthalmus viridescens, see Newt, central
Nugent, Graham, *see* Forsyth, David M.
Nuthatch, red-breasted: 689–698, 1578–1591
Nuttalia nuda, see Lily, sand
***Nyctalus leisleri*:** 1601–1614
***Nyctalus noctula*:** 1601–1614
Nycticeius humeralis, see Bat, evening
Nye, Peter E., *see* Thompson, Craig M.
Nyssa sylvatica, see Gum, black

O

O'Brien, Mike, *see* Hoving, Christopher L.
Oak, chestnut: 681–688, 1633–1640
Oak, Gambel: 618–629
Oak, northern red: 681–688, 1240–1250, 1516–1527, 1633–1640
Oak, post: 33–44
Oak, white: 33–44, 430–436, 681–688, 1633–1640
Oak: 1211–1220, 1565–1577
Ober, Holly K., Robert J. Steidl, and Virginia M. Dalton. Resource and spatial-use patterns of an endangered vertebrate pollinator, the lesser long-nosed bat, 1615–1622
Ocelot:
survival and sources of mortality in ocelots, 255–263
landscape metrics associated with habitat use by ocelots in south Texas, 733–738
Ochotona princeps, see Pika
Odden, John, *see* Herfindal, Ivar
Odocoileus hemionus, see Deer, mule
Odocoileus hemionus sitkensis, see Deer, Sitka black-tailed
Odocoileus virginianus, see Deer, white-tailed
Ohio: 681–688
Oklahoma: 133–139, 1270–1278
Olexa, Edward M., *see* Gogan, Peter J. P.
Olson, Gail S., Robert G. Anthony, Eric D. Forsman, Steven H. Ackers, Peter J. Loschl, Janice A. Reid, Katie M. Dugger, Elizabeth M. Glenn, and William J. Ripple. Modeling of site occupancy dynamics for northern spotted owls, with emphasis on the effects of barred owls, 918–932
Oncorhynchus nerka, see Salmon, sockeye
Ondatra zibethicus, see Muskrat
Opheodrys aestivus, see Snake, rough green
Ophisaurus ventralis, see Lizard, eastern glass
Oporornis formosus, see Warbler, Kentucky
Opossum, Virginia: 124–132, 207, 699–709, 730
Opuntia macrorhiza, see Pricklypear, plains
Opuntia polyacantha, see Cactus, prickly-pear
Oregon: 918–932, 1463–1474, 1578–1591, 1670–1682
Oryctolagus cuniculus, see Rabbit, European wild
Osborn, Robert G., *see* Brinkman, Todd J.
Osprey: 697
Otter: 1419–1433
Ouellet, Jean-Pierre, *see* Etcheverry, Pierre
Ovenbird: 689–698
Ovis canadensis, see Sheep, bighorn
Ovis spp., *see* Sheep
Owl, barred: 124–132, 147
modeling of site occupancy dynamics for northern spotted owls, with emphasis on the effects of barred owls, 918–932
Owl, California spotted:
site occupancy, apparent survival, and reproduction of California spotted owls in relation to forest stand

characteristics, 1554–1564
Owl, great horned: 147, 1565–1577
Owl, Mexican spotted:
prey ecology of Mexican spotted owls in pine–oak forests of northern Arizona, 618–629
Owl, northern spotted: 1211–1220
modeling of site occupancy dynamics for northern spotted owls, with emphasis on the effects of barred owls, 918–932
Owl, powerful: 905–917
Owl, short–eared: 211–221
Owl, sooty: 905–917
Owl, spotted: 1, 1211–1220
Oyler-McCance, Sara J., Judith St. John, Sonja E. Taylor, Anthony D. Apa, and Thomas W. Quinn. Population genetics of Gunnison sage-grouse: implications for management, 630–637
Oystercatcher, American:
population size and winter distribution of eastern American oystercatchers, 1538–1545
Ozaki, Kenichi, *see* Kudo, Takuma

P

Pac, Helga Ihsle, *see* Gogan, Peter J. P.
Paetku, David, *see* Waits, Lisette P.
Paintball: Population estimation and biases in paintball, mark–resight surveys of elk, 1043–1052
Palmer, Bill, *see* McAuley, Daniel G.
Palmer, William E., *see* Staller, Eric L.
Palsbøll, Per J., *see* Best, Peter B.
Pan, Yu-Wen, *see* Scribner, Kim T.
Panda, giant:
giant panda habitat selection in Foping Nature Reserve, China, 1623–1632
Pandion halaietus, see Osprey
Panicum virgatum, see Grass, switch
Panthera onca, see Jaguar
Papio cynocephalus, see Baboon
Parasitism, brood: 7
Parnell, Ira B., III., *see* White, Craig G.
Parus bicolor, see Titmouse, tufted
Parus caeruleus, see Tit, blue
Parus major, see Tit, great
Parus rufescens, see Chickadee, chestnut-backed
Passerculus sandwichensis, see Sparrow, Savannah
Passerina cyanea, see Bunting, indigo
Passerine ciris, see Bunting, painted
Patten, Michael A., Donald H. Wolfe, Eyal Shochat, and Steve K. Sherrod. Effects of microhabitat and microclimate selection on adult survivorship of the lesser prairie-chicken, 1270–1278
Pellet, Jérome *see* Schmidt, Denedikt
Pellets: 618–629
Pelton, Michael R., *see* Clark, Joseph D.
Pennsylvania: 1565–1577
Peoples, Alan D., *see* Cox, Scott A.
Perca flavescens, see Perch, yellow
Perch, Nile: 1315–1320
Perch, white: 609–617
Perch, yellow: 57–67
Perognathus longimembris bangsi, see Mouse, Palm Springs pocket
Perognathus parvus, see Mouse, Great Basin pocket
Peromyscus boylii, see Mouse, brush
Peromyscus maniculatus, see Mouse, deer
Peromyscus spp., *see* Mouse, white-footed
Persson, Jens, *see* Sæther, Bernt-Erik
Petauroides volans, see Glider, greater
Petaurus australis, see Glider, yellow-bellied
Petaurus breviceps, see Glider, sugar
Peters, Kimberly A., Richard A. Lancia, and John A. Gerwin. Swainson's warbler habitat selection in a managed bottomland hardwood forest, 409–417
Peterson, Markus J., *see* Guthery, Fred S.
Peterson, Rolf O., *see* Potvin, Marcel J.
Petrochelidon pyrrhonota, see Swallow, cliff
Petrula, Michael J., *see* Walker, Johann
Phalacrocorax auritus, see Cormorant, double-crested
Phalaenoptilus nuttallii, see Poorwill, common
Phalarope, Wilson's: 211–221
Phalaropus tricolor, see Phalarope, Wilson's
Phasianus colchicus, see Pheasant, ring-necked
Pheasant, ring-necked: 198–210, 967–975
Phillips, Gregory E., *see* Shively, Kirk J.
Phleum pretense, see Timothy
Phoca vitulina, see Seal, harbor
Phrynosoma mcallii, see Lizard, flat-tailed horned
Piatt, J. F., *see* Harding, A. M. A.
Pica pica, see Magpie
Picea engelmannii, see Spruce, Engelmann
Picea glauca, see Spruce, white
Picea mariana, see Spruce, black
Picea sitchensis, see Spruce, Sitka
Pickerel, chain: 609–617
Picoides borealis, see Woodpecker, red-cockaded
Picoides pubescens, see Woodpecker, downy
Picoides villosus, see Woodpecker, hairy
***Piecotus auritus*:** 1601–1614
***Piecotus macrobullaris*:** 1601–1614
Pig, feral:
illegal translocation and genetic structure of feral pigs in western Australia, 377–384
Pika: 950–956
Pike, northern: 592–600
Pine, Jeffrey: 1554–1564
Pine, loblolly: 124–132, 235–245, 332–344, 409–417
Pine, lodgepole: 20–32, 1221–1228
Pine, longleaf: 124–132, 235–245, 332–344, 409–423
Pine, ponderosa: 618–629, 1229–1239, 1554–1564
Pine, red: 1516–1527
Pine, shortleaf: 33–44, 124–132, 235–245
Pine, slash: 235–245
Pine, sugar: 1554–1564
Pine, white: 20–32, 222–234, 710–722, 1240–1250, 1516–1527
Pine, whitebark: 20–32
Pintail, northern: 211–221, 1328

stable isotopes provide evidence for poor northern pintail production on the Canadian prairies, 101–109
survival and cause-specific mortality of female northern pintails in southern Saskatchewan, 574–581
annual survival and site fidelity of northern pintails banded on the Yukon–Kuskokwim Delta, Alaska, 1202–1210
Pinus albicaulis, see Pine, whitebark
Pinus contorta, see Pine, lodgepole
Pinus echinata, see Pine, shortleaf
Pinus elliotii, see Pine, slash
Pinus jeffreyi, see Pine, Jeffrey
Pinus lambertiana, see Pine, sugar
Pinus monticola, see Pine, white
Pinus palustris, see Pine, longleaf
Pinus ponderosa, see Pine, ponderosa
Pinus resinosa, see Pine, red
Pinus strobus, see Pine, white
Pinus taeda, see Pine, loblolly
Pipilo erythrophthalmus, see Towhee, eastern
***Pipistrellus kuhlii*:** 1601–1614
***Pipistrellus pipistrellus*:** 1601–1614
Pipistrellus subflavus, see Bat, eastern pipistrelles
PIT tag, *see* Tag, passively inducible transponder
Pitman, James C., Christian A. Hagen, Robert J. Robel, Thomas M. Loughin, and Roger D. Applegate. Location and success of lesser prairie-chicken nests in relation to vegetation and human disturbance, 1259–1269
Pitra, Christian, *see* Fickel, Joerns
Plantain, mud: 794–799
Playas:
shorebird habitat use and nest-site selection in the Playa Lakes region, 174–184
influence of land use on postmetamorphic body size of playa lake amphibians, 515–524
Plover, mountain: 1
mountain plover population responses to black-tailed prairie dogs in Montana, 1546–1553
Plover, piping:
a complete species census and evidence for regional declines in piping plovers, 160–173
prenesting use of intertidal habitats by piping plovers on South Monomoy Island, Massachusetts, 1731–1736
Plover, snowy:
shorebird habitat use and nest-site selection in the Playa Lakes region, 174–184
Plum, sand: 140–149
Podiceps spp., *see* Grebe
Podruzny, Kevin M., *see* Gogan, Peter J. P.
Poecetes gramineus, see Sparrow, vesper
Poecile atricapillus, see Chickadee, black-capped
Poison: 14–19
Polioptila caerulea, see Gnatcatcher, blue-gray
Pollination: 1615–1622
Polychaetes: 1297–1304
Polygonum spp., *see* Smartweed
Pomoxis annularis, see Crappie
Pomoxis nigromaculatus, see Crappie
Poorwill, common: 950–956
Poplar, balsam: 20–32, 1516–1527
Poplar, tulip: 681–688
Population viability analysis: 222–234, 356–365, 1001–1014, 1592–1600
Populus balsamifera, see Poplar, balsam
Populus tremuloides, see Aspen
Possingham, Hugh P., *see* Field, Scott A.
Possum, brushtail:
nonlinearity and seasonal bias in an index of brushtail possum abundance, 976–984
Possum, common ringtail: 905–917
Potvin, Marcel J., Thomas D. Drummer, John A. Vucetich, Dean E. Beyer, Jr., Rolf O. Peterson, and Jim H. Hammill. Monitoring and habitat analysis for wolves in upper Michigan, 1660–1669
Pradel, Roger, *see* Reed, Eric T.
Prairie chicken: 6
Prairie chicken, Attwater's:
differences in flight characteristics of pen-reared and wild prairie-chickens, 650–654
survival, movements, and reproduction of released captive-reared Attwater's prairie-chicken, 1251–1258
Prairie chicken, greater: 635, 1390
differences in flight characteristics of pen-reared and wild prairie-chickens, 650–654
Prairie chicken, lesser:
location and success of lesser prairie-chicken nests in relation to vegetation and human disturbance, 1259–1269
effects of microhabitat and microclimate selection on adult survivorship of the lesser prairie-chicken, 1270–1278
Prairie dog: 5, 1400–1418
Prairie dog, black-tailed:
mountain plover population responses to black-tailed prairie dogs in Montana, 1546–1553
Prairie Pothole Region: 211–221
stable isotopes provide evidence for poor northern pintail production on the Canadian prairies, 101–109
seasonal variation in waterfowl nesting success and its relation to cover management in the Canadian prairies, 1181–1193
Prairie: 861–873, 1270–1278
variability in vegetation effects on density and nesting success of grassland birds, 185–197
Preatoni, Damiano G., Mosè Nodari, Roberta Chirichella, Guido Tosi, Luc A. Wauters, and Adriano Martinoli. Identifying bats from time expanded recordings of search-calls: comparing classification methods, 1601–1614
Predation: 311–321, 592–600, 650–654, 699–722, 771–781, 1251–1258, 1565–1577, 1691–1707
relating grouse nest success and corvid density to habitat: a multiscale approach, 110–123
identifying predators at northern bobwhite nests, 124–132
microclimate versus predation risk in roost and covert selection by bobwhites, 140–149
grassland bird use of riparian filter strips in southeast Iowa, 198–210
prey ecology of Mexican spotted owls in pine–oak forests of northern Arizona, 618–629

does recreational hunting of lynx reduce depredation losses of domestic sheet?, 1034–1042
red fox removal and roe deer fawn survival—a 14-year study, 1090–1098
how do prey persist?, 1315–1320
Prévot-Julliard, Anne-Caroline, *see* Rivalan, Philippe
Pricklypear, plains: 140–149
Prince, Harold H., *see* Scribner, Kim T.
Prins, Herbert H. T., *see* Liu, Xeuhua
Procyon lotor, see Raccoon
Prosopis glandulosa, see Mesquite
Protein: 311–321, 1063–1072, 1221–1228
Prunus augustifolia, see Plum, sand
Prunus serotina, see Cherry, black
Pseudemys concinna, see Cooter, Suwannee
Pseudemys floridana, see Cooter, Florida
Pseudoroegneria spicata, see Grass, bluebunch wheat
Psuedocheirus peregrinus, see Possum, common ringtail
Psuedotsuga menziesii, see Fir, Douglas
Ptarmigan: 111
Public information access: 466–472
Puffin, horned:
variability in colony attendance of crevice-nesting horned puffins: implications for population monitoring, 1279–1296
Puma concolor, see Cougar
Puma concolor, see Lion, mountain
Puma, *see* Lion, mountain
Purshia tridentata, see Bitterbrush, antelope
Putze, Mathias, *see* Fickel, Joerns

Q

Quail, Gambel's: 146
Quail, Montezuma: 146
Quail, scaled: 1–13
Quarantine:
quarantine length and survival of translocated European wild rabbits, 1063–1072
Quebec: 771–781
Quercus alba, see Oak, white
***Quercus coccinea*:** 1633–1640
Quercus gambelii, see Oak, Gambel
Quercus prinus, see Oak, chestnut
Quercus rubra, see Oak, northern red
Quercus spp., *see* Oak
Quercus stellata, see Oak, post
Quinn, Thomas W., *see* Oyler-McCance, Sara

R

Rabbit, European wild:
quarantine length and survival of translocated European wild rabbits, 1063–1072
Raccoon: 124–139, 199, 207, 574–581, 699–709, 861–873, 967–975, 1024–1033, 1565–1577
Racer, southern black: 549–560
Racerunner, six-lined: 549–560
Radiotelemetry: 33–44, 133–149, 255–344, 366–376, 385–395, 430–436, 574–581, 601–617, 636–649, 671–680, 710–738, 771–781, 985–1014, 1063–1072, 1090–1098, 1133–1162, 1181–1193, 1251–1258, 1346–1359, 1516–1527, 1565–1577, 1615–1622, 1652–1659
effects of radiotransmitters on natal recruitment of burrowing owls, 404–408
quantifying usable space for wildlife with use–availability data, 655–663
does muscular damage during capture and handling handicap radiomarked northern bobwhites?, 664–670
night roost habitat of radiotagged northern goshawks on Lassen National Forest, California, 1737–1742
Ragweed, western: 140–149
Railroads: 985–1000
the effect of scent-marking, forest clearing, and supplemental feeding on moose–train collisions, 1125–1132
Rainfall: 515–524, 884–893
Ralph, C. John, *see* Francis, Charles M.
Rana catesbeiana, see Bullfrog, American
Rana clamitans, see Frog, green
Rana grylio, see Frog, pig
Rana pipiens, see Frog, northern leopard
Rana sphenocephala, see Frog, southern leopard
Rana temporaria, see Frog, common
Randel, Charles J., *see* Lockwood, Mitchell A.
Rangifer tarandus granti, see Caribou, Grant's
Rangifer tarandus, see Caribou
Rangifer tarandus, see Reindeer
Raptors: 11, 133–139
Rat:
does continuous removal of individuals separate high- and low-quality ricefield rats?, 821–826
stimulation of satiation receptors: a novel approach to wildlife management, 1475–1480
Rat, desert wood: 902
Rat, dusky-footed wood:
dusky-footed woodrat demography and prescribed fire in a California oak woodland, 1211–1220
Rat, hispid cotton: 124–132
Rat, Mexican wood: 618–629
Rat, Stephen's kangaroo:
habitat management for the endangered Stephen's kangaroo rat: the effect of mowing and grazing, 424–429
Rattus norvegicus, see Rat
Raven, common: 582–591, 636–649
Ray, James D., *see* Conway, Warren C.
Recreation: 1073–1080
Recurvirostra americana, see Avocets, American
Redcedar, western: 20–32, 322–331
Redeker, Eric J., *see* Hardin, Jason B.
Redstart, American: 689–698
Reeb, Desray, *see* Best, Peter B.
Reed, Austin, *see* Calvert, Anna M.
Reed, Eric T., Gilles Gauthier, and Roger Pradel. Effects of neck bands on reproduction and survival of female greater snow geese, 91–100
Regression:

catch per unit effort for moose: a new approach using Weibull regression, 1112–1124
Reid, Janice A., *see* Olson, Gail S.
Reindeer: 1035
variation in male reproductive success in a wild population of reindeer, 1163–1170
Reinecke, Kenneth J., and Kevin M. Hartke. Estimating moist-soil seeds available to waterfowl with double sampling for stratification, 794–799
Reinhart, Bradley D., *see* DeVault, Travis L.
Reproduction: 174–184, 582–591, 1315–1320, 1731–1736
effects of neck bands on reproduction and survival of female greater snow geese, 91–100
reproduction by northern bobwhites in western Oklahoma, 133–139
variability in vegetation effects on density and nesting success of grassland birds, 185–197
grassland bird use of riparian filter strips in southeast Iowa, 198–210
forest management alternatives and songbird breeding habitat on the Cherokee National Forest, Tennessee, 222–234
greater sage–grouse nesting habitat selection and success in Wyoming, 636–649
breeding bird response to varying amounts of basal area retention in riparian buffers, 689–698
determinants of wood thrush nest success: a multi-scale, model selection approach, 699–709
elk reproductive response to removal of calving season disturbance by humans, 1073–1080
red fox removal and roe deer fawn survival—a 14-year study, 1090–1098
short-term impacts of military overflights on caribou during calving season, 1133–1146
influence of population growth on caribou herd identity, calving ground fidelity, and behavior, 1147–1162
variation in male reproductive success in a wild population of reindeer, 1163–1170
biopsying southern right whales: their reactions and effects on reproduction, 1171–1180
seasonal variation in waterfowl nesting success and its relation to cover management in the Canadian prairies, 1181–1193
tracing nutrient allocation to reproduction in Barrow's goldeneye, 1221–1228
landscape analysis of northern goshawk breeding home range in northern Japan, 1229–1239
do breeding phase and detection distance influence the effective area surveyed for northern goshawks?, 1240–1250
survival, movements, and reproduction of released captive-reared Attwater's prairie-chicken, 1251–1258
location and success of lesser prairie-chicken nests in relation to vegetation and human disturbance, 1259–1269
linking breeding and wintering areas of king eiders: making use of polar isotopic gradients, 1297–1304
molecular approaches to the study of parentage, relatedness, and fitness: practical applications for wild animals, 1400–1418
impact of special early harvest seasons on subarctic-nesting and temperate-nesting Canada geese, 1494–1507
foraging and nesting habitat of breeding male northern goshawks in the Laurentain mixed forest province, Minnesota, 1516–1527
site occupancy, apparent survival, and reproduction of California spotted owls in relation to forest stand characteristics, 1554–1564
conservation risks of male-selective harvest for mammals with low reproductive potential, 1592–1600
Yellowstone bison fetal development and phenology of parturition, 1716–1730
Reptiles:
spatiotemporal responses of reptiles and amphibians to timber harvest treatments, 525–539
Resource selection function: 20–32, 849–860, 1615–1622, 1691–1707
scale-dependent summer resource selection by reintroduced elk in Wisconsin, USA, 298–310
Rew, Mary Beth, *see* Best, Peter B.
Rexstad, Eric, *see* McDonough, Thomas J.
Rhinolophus euryale: 1601–1614
Rhinolophus ferumequinum: 1601–1614
Rhinolophus hipposideros: 1601–1614
Rhodes, Olin E., Jr., *see* DeVault, Travis L.
Rhodes, Olin E., Jr., *see* Stephen, Catherine L.
Rhus aromatica, see Sumac, skunkbush
Rice, Amanda, *see* Doerner, Kinchel C.
Richer, Marie-Claude, *see* Etcheverry, Pierre
Richkus, Kenneth D., Frank C. Rohwer, and Michael J. Chamberlain. Survival and cause-specific mortality of female northern pintails in southern Saskatchewan, 574–581
Richter, David J., *see* Rickman, Tom H.
Rickman, Tom H., Bobette E. Jones, Danny R. Cluck, David J. Richter, and Kenneth W. Tate. Night roost habitat of radiotagged northern goshawks on Lassen National Forest, California, 1737–1742
Riparian filter strips:
grassland bird use of riparian filter strips in southeast Iowa, 198–210
Riparian management zone: 525–539
breeding bird response to varying amounts of basal area retention in riparian buffers, 689–698
Ripple, William J., *see* Olson, Gail S.
Rivalan, Philippe, Matthew H. Godfrey, Anne-Caroline Prévot-Julliard, and Marc Girondot. Maximum likelihood estimates of tag loss in leatherback sea turtles, 540–548
Rivest, Louis–Paul, *see* Etcheverry, Pierre
Roads: 1–13, 366–376, 739–751, 1112–1124, 1259–1269, 1660–1669
influence of vegetation, topography, and roads on cougar movement in southern California, 264–276
scale-dependent summer resource selection by reintroduced elk in Wisconsin, USA, 298–310
illegal translocation and genetic structure of feral pigs in western Australia, 377–384

effects of transportation infrastructure on grizzly bears in northwestern Montana, 985–1000
Robbins, Charles T., *see* Tollefson, Troy N.
Robel, Robert J., *see* Pitman, James C.
Roberson, Aimee M., David E. Andersen, and Patricia L. Kennedy. Do breeding phase and detection distance influence the effective area surveyed for northern goshawks?, 1240–1250
Robertson, Gregory J., *see* Chaulk, Keith
Robin, American: 689–698
Rodewald, Amanda D., and Andrew C. Vitz. Edge- and area-sensitivity of shrubland birds, 681–688
Røed, Knut H., Østein Holand, Hallvard Gjøstein, and Helge Hansen. Variation in male reproductive success in a wild population of reindeer, 1163–1170
Rogers, Tracey, *see* van den Hoff, John
Rohwer, Frank C., *see* Richkus, Kenneth D.
Rondeau, Daniel, *see* Bulte, Erwin H.
Roost:
microclimate versus predation risk in roost and covert selection by bobwhites, 140–149
night roost habitat of radiotagged northern goshawks on Lassen National Forest, California, 1737–1742
Rosa multiflora, see Rose, multiflora
Rosa spp., *see* Rose, prairie
Rose, multiflora: 198–210
Rose, prairie: 110–123
Rose-petal hypothesis: 332–344
Rotenberry, John T., *see* Barrows, Cameron W.
Roth, Julie K., *see* Manley, Patricia N.
Royle, J. Andrew, and Pamela R. Garrettson. The effect of reward band value on midcontinent mallard band reporting rates, 800–804
Royle, J. Andrew, *see* Sauer, John R.
Royle, J. Andrew, *see* Stanley, Thomas R.
Rubus allegheniensis, see Blackberry
Ruggiero, Len, *see* Mills, L. Scott
Rybak, Alexander R., *see* Guthery, Fred S.
Rye, basin wild: 311–321
Rye, Russian wild: 211–221

S

Sæther, Bernt–Erik, Steinar Engen, Jens Persson, Henrik Brøseth, Arild Landa, and Tomas Willebrand. Management strategies for the wolverine in Scandinavia, 1001–1014
Sagebrush, big: 311–321, 636–649
Sagebrush, low: 311–321, 636–649
Sagebrush, sand: 140–149, 636–649, 1259–1269
Sakai, Tomotake, *see* Kudo, Takuma
Salamander, barred tiger:
influence of land use on postmetamorphic body size of playa lake amphibians, 515–524
Salamander, marbled: 525–539
Salamander, spotted: 1400–1418
Saliva: 1419–1433
Salmo spp., *see* Salmon
Salmon: 1
Salmon, sockeye: 810–817
Salsola kali, see Thistle, Russian
Saltz, David, *see* Manor, Regev
Sampling:
problems with sampling desert tortoises: a simulation analysis based on field data, 45–56
noninvasive genetic sampling tools for wildlife biologists: a review of applications and recommendations for accurate data collection, 1419–1433
Sams, Mike, *see* Cox, Scott A.
Sandpiper, least: 671–680
Sandpiper, pectoral:
turnover rates of fall-migrating pectoral sandpipers in the lower Mississippi Alluvial Valley, 671–680
Sandpiper, upland: 6, 211–221
Sapsucker, red-breasted: 1578–1591
Sapsucker, yellow-bellied: 689–698
Sargeant, Glen A., Marsha A Sovada, Christiane C. Slivinski, and Douglas H. Johnson. Markov chain Monte Carlo estimation of species distributions: a case study of the swift fox in western Kansas, 483–497
Saskatchewan: 574–581, 1181–1193
Satiation receptors:
stimulation of satiation receptors: a novel approach to wildlife management, 1475–1480
Sauer, John R., William A. Link, James D. Nichols, and J. Andrew Royle. Using the North American Breeding Bird Survey as a tool for conservation: a critique of Bart et al. (2004), 1321–1326
Saxton, Arnold M., *see* Klaus, Nathan A.
Scandinavia: 1001–1014, 1090–1098
Scaphiopus holbrookii, see Spadefoot, eastern
Scaup, greater:
nest survival of scaup and other ducks in the boreal forest of Alaska, 582–591
survival of scaup ducklings in the boreal forest of Alaska, 592–600
Scaup, lesser: 211–221, 578
nest survival of scaup and other ducks in the boreal forest of Alaska, 582–591
survival of scaup ducklings in the boreal forest of Alaska, 592–600
seasonal variation in waterfowl nesting success and its relation to cover management in the Canadian prairies, 1181–1193
Scent station: 874–883
Scent-marking:
the effect of scent-marking, forest clearing, and supplemental feeding on moose–train collisions, 1125–1132
Schaeff, Cathy, *see* Best, Peter B.
Schizachyrium scoparium, see Grass, little bluestem
Schlesinger, Matthew D., *see* Manley, Patricia N.
Schmidt, Anke, *see* Fickel, Joerns
Schmidt, Benedikt R., and Jérome Pellet. Relative importance of population processes and habitat characteristics in determining site occupancy of two anurans, 884–893
Schmidt, Gregory A., *see* Thompson, Craig M.

Schmidt, Jennifer I., Jay M. Ver Hoff, Julie A. K. Maier, and R. Terry Bowyer. Catch per unit effort for moose: a new approach using Weibull regression, 1112–1124
Schulte, Shiloh, *see* Brown, Stephen C.
Scincella lateralis, see Skink, ground
Scincella lateralis, see Skink, little brown
Sciurus carolinensis, see Squirrel, gray
Sciurus niger, see Squirrel, fox
Scolopax minor, see Woodcock, American
Scott, Peter E., *see* Block, William M.
Scott, Thomas A., *see* Barrows, Cameron W.
Scribner, Kim T., Julie A. Blachong, Douglas J. Bruggeman, Bryan K. Epperson, Cheng-Yu Lee, Yu-Wen Pan, Rainy I. Shorey, Harold H. Prince, Scott R. Winterstein, and David R. Luukkonen. Geographical genetics: conceptual foundations and empirical applications of spatial genetic data in wildlife management, 1434–1453
Sculpin: 57–67
Seal, grey: 1419–1433
Seal, harbor: 1419–1433
Seal, leopard:
estimating body mass and condition of leopard seals by allometrics, 1015–1023
Seaton, C. Tom, *see* Lawler, James P.
Seavoy, Roger J., *see* Hinkes, Michael T.
Sedinger, James S., *see* Walker, Johann
Seiurus aurocapillus, see Ovenbird
Selenium: 664–670
Seminatrix pygaea, see Snake, northern Florida swamp
Senese, E. M. Ted, *see* Hebert, Craig E.
Sepik, Greg F., *see* McAuley, Daniel G.
Servheen, Christopher, *see* Waller, John S.
Setophaga ruticilla, see Redstart, American
Sexual dimorphism: 356–365
Shad, American: 609–617
Shad, gizzard: 609–617
Shaffer, Jill A., *see* Winter, Maiken
Shao, Xiaoming, *see* Liu, Xeuhua
Sharpe, Jonathan, *see* Fisher, Jason T.
Sheaffer, Susan E., William L. Kendall, and E. Frank Bowers. Impact of special early harvest seasons on subarctic-nesting and temperate-nesting Canada geese, 1494–1507
Sheep:
does recreational hunting of lynx reduce depredation losses of domestic sheet?, 1034–1042
Sheep, bighorn: 24
Sherrod, Steve K., *see* Patten, Michael A.
Sheyenne National Grassland: 185–197
Shiner, golden: 609–617
Shively, Kirk J., A. William Alldredge, and Gregory E. Phillips. Elk reproductive response to removal of calving season disturbance by humans, 1073–1080
Shochat, Eyal, *see* Patten, Michael A.
Shorebirds: 160–173
shorebird habitat use and nest-site selection in the Playa Lakes region, 174–184
Shorey, Rainy I., *see* Scribner, Kim T.
Shoveler, Australasian: 1508–1515
Shoveler, northern: 211–221, 582–591
Shrew, masked: 246–254
Shrew, Merriam's: 618–629
Sigmodon hispidus, see Rat, hispid cotton
Silviculture *see* Forest management
Silvy, Nova J., *see* Hess, Marc F.
Silvy, Nova J., *see* Lockwood, Mitchell A.
Singer, Francis J., *see* Mao, Julie S.
Sisson, D. Clay, *see* Staller, Eric L.
Sitta canadensis, see Nuthatch, red-breasted
Skidmore, Andrew K., *see* Liu, Xeuhua
Skalski, John R., Joshua J. Millspaugh, and Rocky D. Spencer. Population estimation and biases in paintball, mark–resight surveys of elk, 1043–1052
Skink, broadhead: 525–539, 549–560
Skink, five-lined: 525–539, 549–560
Skink, ground: 525–539
Skink, little brown: 549–560
Skunk, striped: 133–139, 264–276, 574–581, 699–709, 861–873, 1024, 1181–1193
Slater, Steven J., *see* Holloran, Matthew J.
Slider, yellow-bellied: 549–560
Slivinski, Christiane C., *see* Sargeant, Glen A.
Slope: 146, 150–159, 264–276, 311–321
Smartweed: 794–799
Smith, Douglas W., *see* Mao, Julie S.
Smith, Loren M., *see* Conway, Warren C.
Smith, Loren M., *see* Gray, Matthew J.
Snags: 430–436, 1554–1564
effect of habitat and foraging height on bat activity in the coastal plain of South Carolina, 235–245
habitat as a predictor of southern flying squirrel abundance in red-cockaded woodpecker cavity clusters, 418–423
snags, cavity-nesting birds, and silvicultural treatments in western Oregon, 1578–1591
Snails: 57–67
Snake, black racer: 124–132
Snake, brown tree: 1315–1320
Snake, corn: 124–132, 549–560
Snake, cottonmouth: 549–560
Snake, eastern garter: 549–560
Snake, eastern king: 124–132, 549–560
Snake, eastern mud: 549–560
Snake, eastern ribbon: 549–560
Snake, Florida green water: 549–560
Snake, gray rat: 124–132, 549–560
Snake, Lake Erie water: 70
Snake, northern Florida swamp: 549–560
Snake, northern water: 609–617
Snake, red-bellied: 549–560
Snake, rough green: 549–560
Snake, scarlet: 549–560
Snake, southern ring-necked: 549–560
Snake, timber rattle:
using partitioned Mahalanobis D^2 (k) to formulate a GIS-based model of timer rattlesnake hibernacula,

33–44
Snake, western ribbon: 525–539
Snow: 739–751
Snow tracks: 874–883
Snowberry, western: 110–123, 636–649
Social structure:
fine-scale genetic structure and social organization in female white-tailed deer, 332–344
Soil pH:
unique island habitats may be threatened by double-crested cormorants, 68–76
Solenopsis spp., *see* Ant, fire
Solidago spp., *see* Goldenrod
Somateria mollissima, see Eider, common
Somateria spectabilis, see Eider, king
Sorex cinereus, see Shrew, masked
Sorex merriami, see Shrew, Merriam's
South Africa: 1171–1180
South Carolina: 235–245, 332–344, 415, 601–608, 1538–1545
South Dakota: 211–221, 818–820
Sovada, Marsha A., *see* Sargeant, Glen A.
Spadefoot, eastern: 549–560
Spadefoot, New Mexico:
influence of land use on postmetamorphic body size of playa lake amphibians, 515–524
Spadefoot, plains:
influence of land use on postmetamorphic body size of playa lake amphibians, 515–524
Spain: 151, 157, 1063–1072
Sparrow, Baird's: 211–221
Sparrow, black-throated: 1–13
Sparrow, Cassin's: 1–13
Sparrow, chipping: 1–13
Sparrow, clay-colored: 211–221
variability in vegetation effects on density and nesting success of grassland birds, 185–197
Sparrow, field: 1–13, 681–688
Sparrow, Florida grasshopper: 1
Sparrow, grasshopper: 1–13
Sparrow, lark: 1–13
Sparrow, Le Conte's: 211–221
Sparrow, rufous–crowned: 1–13
Sparrow, Savannah: 211–221
variability in vegetation effects on density and nesting success of grassland birds, 185–197
Sparrow, song: 689–698
grassland bird use of riparian filter strips in southeast Iowa, 198–210
Sparrow, swamp: 689–698
Sparrow, vesper: 199, 211–221
Sparrow, white-throated: 689–698
Spatial analysis:
landscape proportions versus Monte Carlo simulated home ranges for estimating habitat availability, 20–32
Spatial autocorrelation:
modeling patch occupancy by forest rodents: incorporating detectability and spatial autocorrelation with hierarchically structured data, 933–949
Spatiotemporal: 525–539, 561–573, 810–817, 1615–1622
Spea bombifrons, see Spadefoot, plains
Spea multiplicata, see Spadefoot, New Mexico
Spearman rank correlations: 68–76
Species, endangered: 1–13, 160–173, 255–263, 396–408, 418–436, 733–738, 861–873, 894–904, 1001–1014, 1251–1258, 1615–1622, 1743–1746
Species, invasive: 8–10, 377–384, 609–617, 837–844, 1315–1320
Species, threatened: 45–56, 739–751, 918–932
Spencer, Peter B. S., and Jordan O. Hampton. Illegal translocation and genetic structure of feral pigs in western Australia, 377–384
Spencer, Rocky D., *see* Skalski, John R.
Spermophilus beecheyi, see Squirrel, California ground
Spermophilus tereticaudus chlorus, see Squirrel, Palm Springs ground
Sphyrapicus rubber, see Sapsucker, red-breasted
Sphyrapicus varius, see Sapsucker, yellow-bellied
Spittler, Meinrich, *see* Fickel, Joerns
Spiza americana, see Dickcissel
Spizella pallida, see Sparrow, clay-colored
Spizella passerina, see Sparrow, chipping
Spizella pusilla, see Sparrow, field
Spruce, black: 246–254, 1221–1228
Spruce, Engelmann: 20–32, 264–276
Spruce, Sitka: 322–331
Spruce, white: 235–254, 689–698, 1516–1527
Squirrel, California ground: 950–956
Squirrel, fox:
modeling patch occupancy by forest rodents: incorporating detectability and spatial autocorrelation with hierarchically structured data, 933–949
Squirrel, gray: 124–132
modeling patch occupancy by forest rodents: incorporating detectability and spatial autocorrelation with hierarchically structured data, 933–949
Squirrel, gray: 609–617
Squirrel, northern flying:
influence of thinning of Douglas-fir forests on population parameters and diet of northern flying squirrels, 1670–1682
Squirrel, Palm Springs ground: 845–848, 1333–1345
an occupancy modeling approach to evaluating a Palm Springs ground squirrel habitat model, 894–904
Squirrel, red: 246–254
modeling patch occupancy by forest rodents: incorporating detectability and spatial autocorrelation with hierarchically structured data, 933–949
Squirrel, southern flying:
habitat as a predictor of southern flying squirrel abundance in red-cockaded woodpecker cavity clusters, 418–423
Squirreltail: 311–321
St. John, Judith, *see* Oyler-McCance, Sara
Staats, Will, *see* McAuley, Daniel G.
Staller, Eric L., William E. Palmer, John P. Carroll, Ryan P. Thornton, and D. Clay Sisson. Identifying predators at northern bobwhite nests, 124–132

Standardization:
databases and science-based management in the context of wildlife and habitat: toward a certified ISO standard for objective decision-making for the global community by using the internet, 466–472 – *Research and Management Viewpoint*
Stanley, Thomas R. and J. Andrew Royle. Estimating site occupancy and abundance using indirect detection indices, 874–883
Starling, European: 1578–1591
Statistic, Mahalanobis Distance (D^2):
using partitioned Mahalanobis D^2 (*k*) to formulate a GIS-based model of timer rattlesnake hibernacula, 33–44
Statistical power: 20–32, 473–482, 1279–1296
Steidl, Robert J., *see* Ober, Holly K.
Stephen, Catherine L., Don G. Whittaker, Don Gillis, Lindsey L. Cox, and Olin E. Rhodes, Jr. Genetics consequences of reintroductions: an example from Oregon pronghorn antelope (*Antilocapra americana*), 1463–1474
Sterna antillarum athalassos, see Tern, interior least
Sternotherus odoratus, see Stinkpot
Stilts, black-necked:
shorebird habitat use and nest-site selection in the Playa Lakes region, 174–184
Stinkpot: 549–560
Stipa comata, see Grass, needle and thread
Storaas, Torstein, *see* Andreassen, Harry P.
Storeria occipitomaculata, see Snake, red-bellied
Stowell, Laine, *see* Anderson, Dean P.
Streich, Wolf Juergen, *see* Fickel, Joerns
Strix occidentalis, see Owl, spotted
Strix occidentalis caurina, see Owl, northern spotted
Strix occidentalis lucida, see Owl, Mexican spotted
Strix occidentalis occidentalis, see Owl, California spotted
Strix varia, see Owl, barred
Sturgeon: 609–617
Sturnella magna, see Meadowlark, eastern
Sturnella neglecta, see Meadowlark, western
Sturnus vulgaris, see Starling, European
Sucker, white: 609–617
Sumac, skunkbush: 140–149
Sunfish, redbreast: 609–617
Sunflower, common: 1259–1269
Supplemental feeding:
the effect of scent-marking, forest clearing, and supplemental feeding on moose–train collisions, 1125–1132
Survey: 483–497, 845–848, 874–893, 1279–1296, 1538–1545, 1565–1577, 1633–1640
optimizing allocation of monitoring effort under economic and observational constraints, 473–482
estimating and dealing with detectability in occupancy surveys for forest owls and arboreal marsupials, 905–917
cognitive processes in hunters' recall of participation and harvest estimates, 967–975
do breeding phase and detection distance influence the effective area surveyed for northern goshawks?, 1240–1250
using the North American Breeding Bird Survey as a tool for conservation: a critique of Bart et al. (2004), 1321–1326
enhancing the value of the Breeding Bird Survey: reply to Sauer et al. (2005), 1327–1332
Survey, broadcast: 1240–1250
Survey, mark–recapture: 45–56, 91–100, 845–848, 861–873, 1508–1515
estimating population size from DNA-based closed capture–recapture data incorporating genotyping error, 396–403
maximum likelihood estimates of tag loss in leatherback sea turtles, 540–548
pellet count indices compared to mark–recapture estimates for evaluating snowshoe hare density, 1053–1062
movement of paradise shelduck between molt sites: a joint multistate–dead recovery mark–recapture model, 1194–1201
Survey, mark–resight: Population estimation and biases in paintball, mark–resight surveys of elk, 1043–1052
Survey, pellet–plot count: 1683–1690
assessment of potential bias with snowshoe hare fecal pellet–plot counts, 385–395
pellet count indices compared to mark–recapture estimates for evaluating snowshoe hare density, 1053–1062
Survey, point count: 404–408
Survival: 246–254, 277–297, 771–781, 1171–1180, 1494–1507, 1554–1564, 1670–1682
does prey biomass or mercury exposure affect loon chick survival in Wisconsin?, 57–67
effects of neck bands on reproduction and survival of female greater snow geese, 91–100
survival and sources of mortality in ocelots, 255–263
effects of radiotransmitters on natal recruitment of burrowing owls, 404–408
survival and cause-specific mortality of female northern pintails in southern Saskatchewan, 574–581
nest survival of scaup and other ducks in the boreal forest of Alaska, 582–591
survival of scaup ducklings in the boreal forest of Alaska, 592–600
does muscular damage during capture and handling handicap radiomarked northern bobwhites?, 664–670
quarantine length and survival of translocated European wild rabbits, 1063–1072
red fox removal and roe deer fawn survival—a 14-year study, 1090–1098
annual survival and site fidelity of northern pintails banded on the Yukon–Kuskokwim Delta, Alaska, 1202–1210
survival, movements, and reproduction of released captive-reared Attwater's prairie-chicken, 1251–1258
effects of microhabitat and microclimate selection on adult survivorship of the lesser prairie-chicken, 1270–1278
survival rates of Australasian shoveler ducks in New

Zealand, 1508–1515
site occupancy, apparent survival, and reproduction of California spotted owls in relation to forest stand characteristics, 1554–1564
effects of hunting on survival of American woodcock in the northeast, 1565–1577
yearling and subadult black bear survival in a hunted Virginia population, 1641–1651
Sus scrofa, see Pig, feral
Swallow, barn: 198–210
Swallow, cliff: 198–210
Swallow, violet–green: 1578–1591
Swan, trumpeter: 582–591
Swartz, Monica B., *see* Barrows, Cameron W.
Sweden: 1001–1014, 1090–1098
Sweitzer, Sara H., *see* White, Craig G.
Swihart, Robert K., *see* Moore, Jeffrey E.
Switzerland: 884–893
Sylvilagus floridanus, see Cottontail, eastern
Symphoricarpos occidentalis, see Snowberry, western
Synaptomys borealis, see Lemming, northern bog

T

Tachycineta thalassina, see Swallow, violet–green
Tadorna variegate, see Duck, paradise shel
Tadpoles: 57–67
Taeniatherum caput–medusae, see Medusahead
Tag, ear: 277–297
Tag, flipper: 540–548
Tag, Monel: 540–548
Tag, passively inducible transponder: 424–429
maximum likelihood estimates of tag loss in leatherback sea turtles, 540–548
Takao, Gen, *see* Kudo, Takuma
Tamarack: 1516–1527
Tamia striatus, see Chipmunk, eastern
Tamias spp., *see* Chipmunk
Tamiasciurus hudsonicus, see Squirrel, red
Tannins:
nutrient enrichment, tannins, and thorns: effects on browsing of shrub seedlings, 782–793
Tate, Kenneth W., *see* Rickman, Tom H.
Taxidae taxus, see Badger
Taylor, Mitchell K., *see* McLoughlin, Philip D.
Taylor, Sonja E., *see* Oyler-McCance, Sara
Teal, blue-winged: 211–221, 609–617
Teal, green-winged: 211–221, 582–591
Temperature: 133–139, 884–893, 905–917
microclimate versus predation risk in roost and covert selection by bobwhites, 140–149
Tennessee: 222–234
Tern, interior least: 182
Terrapene carolina, see Turtle, eastern box
Tewes, Michael E., *see* Haines, Aaron M.
Texas: 10, 120, 140–149, 60–184, 255–263, 366–376, 498–539, 655–670, 733–738, 782–793, 1251–1258, 1538–1545
Thamnophis proximus, see Snake, western ribbon
Thamnophis sauritus, see Snake, eastern ribbon
Thamnophis sirtalis, see Snake, eastern garter
Theory, decision:
optimizing allocation of monitoring effort under economic and observational constraints, 473–482
Theory, Hunter–Covey Interface:
empirical tests of hunter–covey interface models, 498–514
Theory, information:
information theory in wildlife science: critique and viewpoint, 457–465 – *Invited paper*
determinants of wood thrush nest success: a multiscale, model selection approach, 699–709
broad-scale predictors of Canada lynx occurrence in eastern North America, 739–751
do breeding phase and detection distance influence the effective area surveyed for northern goshawks?, 1240–1250
Thermoregulation:
microclimate versus predation risk in roost and covert selection by bobwhites, 140–149
Thistle, Russian: 1259–1278
Thomomys bottae, see Gopher, Botta's pocket
Thomomys spp., *see* Gopher, pocket
Thompson, Craig M., Peter E. Nye, Gregory A. Schmidt, and David K. Garcelon. Foraging ecology of bald eagles in freshwater tidal system, 609–617
Thompson, Daniel J., and Jonathan A. Jenks. Long-distance dispersal by a subadult male cougar from the Black Hills, South Dakota, 818–820
Thompson, Jonathan E., *see* Hobson, Keith A.
Thorns:
nutrient enrichment, tannins, and thorns: effects on browsing of shrub seedlings, 782–793
Thornton, Ryan P., *see* Staller, Eric L.
Thrush, hermit: 689–698
Thrush, wood: 689–698
determinants of wood thrush nest success: a multiscale, model selection approach, 699–709
Thuja plicata, see Redcedar, western
Tidal mudflats: 609–617
Tietje, William D., *see* Lee, Derek E.
Timothy: 198–210
Tit, blue: 1419–1433
Tit, great: 1419–1433
Titmouse, tufted: 222–234
Toad, east Texas: 525–539
Toad, eastern narrowmouth: 525–539
Toad, Great Plains:
influence of land use on postmetamorphic body size of playa lake amphibians, 515–524
Toad, gulf coast: 525–539
Toad, narrow-mouthed: 549–560
Toad, natterjack: 845–848, 884–893
Toad, southern: 549–560
Tollefson, Troy N., Colleen Matt, Joe Meehan, and Charles T. Robbins. Quantifying spatiotemporal overlap of Alaskan brown bears and people, 810–817
Tongass National Forest: 322–331

Topography: 150–159
influence of vegetation, topography, and roads on cougar movement in southern California, 264–276
Tortoise, desert:
problems with sampling desert tortoises: a simulation analysis based on field data, 45–56
Tortoise, gopher: 549–560
Tosi, Guido, *see* Preatoni, Damiano G.
Towhee, eastern: 681–688
Toxopeus, Albertus G., *see* Liu, Xeuhua
Trachemys scripta, see Slider, yellow-bellied
Tracking plate: 874–883
Tracking tube: 874–883
Transect lines: 174–184
problems with sampling desert tortoises: a simulation analysis based on field data, 45–56
Translocation:
illegal translocation and genetic structure of feral pigs in western Australia, 377–384
quarantine length and survival of translocated European wild rabbits, 1063–1072
Transplantation: 664–670
Trap, box: 255–263, 1202–1210
Trap, corral: 92
Trap, culvert: 277–297
Trap, leg-hold: 976–984
Trap, pitfall: 525–539
Trap, Sherman live: 246–254, 418–423, 618–629, 1211–1220
Trap, Tomahawk live: 385–395, 861–873
Trap, walk-in funnel: 664–670
Tree, Kentucky coffee:
unique island habitats may be threatened by double-crested cormorants, 68–76
Trichosurus vulpecula, see Possum, brushtail
Trifolium spp., *see* Clover
Troglodytes troglodytes, see Wren, winter
Trogolodytes aedon, see Wren, house
Tsuga canadensis, see Hemlock, eastern
Tsuga heterophylla, see Hemlock, western
Turdus migratorius, see Robin, American
Turkey, wild: 11
Turner, Bruce, *see* Chaulk, Keith
Turner, Monica G., *see* Anderson, Dean P.
Turtle, chicken: 549–560
Turtle, eastern box: 549–560
Turtle, eastern mud: 549–560
Turtle, Florida softshell: 549–560
Turtle, green: 1400–1418
Turtle, leatherback sea:
maximum likelihood estimates of tag loss in leatherback sea turtles, 540–548
Turtle, painted: 1400–1418
Turtle, snapping: 549–560
Twitchell, Colin, *see* Fisher, Jason T.
Tympanuchus cupido attwateri, see Prairie chicken, Attwater's
Tympanuchus cupido, see Prairie chicken, greater
Tympanuchus pallidicinctus, see Prairie chicken, lesser
Tympanuchus phasianellus, see Grouse, sharp-tailed
Tympanuchus spp., *see* Prairie chicken
Tyre, Andrew J., *see* Field, Scott A.
Tyto tenebricosa, see Owl, sooty

U

U.S. Shorebird Conservation Plan: 1538–1545
Ulizio, Todd, *see* Mills, L. Scott
Ulmus americana, see Elm, American
Uma inornata, see Lizard, Coachella Valley fringe-toed
Unsworth, James W., *see* Bishop, Chad J.
Urban environment: 366–376, 1229–1239
Urea nitrogen: 1063–1072, 1419–1433
Urocyon cinereoargenteus, see Fox, gray
Ursus americanus, see Bear, black
Ursus arctos, see Bear, Alaskan brown
Ursus arctos, see Bear, grizzly
Ursus maritimus, see Bear, polar
Utah: 723–732, 752–759, 1652–1659

V

Vaccination: 1063–1072
Vales, David J., *see* Mao, Julie S.
Van Daele, Lawrence J., *see* Hinkes, Michael T.
van den Hoff, John, Richard Fraccaro, Peter Mitchell, Iain Field, Clive McMahon, Harry Burton, Wendy Blanchard, Padraig Duignan, and Tracey Rogers. Estimating body mass and condition of leopard seals by allometrics, 1015–1023
Van Horne, Beatrice, *see* Manley, Patricia N.
van Mannen, Frank T., *see* Clark, Joseph D.
van Pelt, William E., *see* Hatten, James R.
Vaske, Jerry J., *see* Beaman, Jay
Vaughan, Michael R., *see* Lee, Daniel J.
Veery: 689–698
Vegetation structure:
variability in vegetation effects on density and nesting success of grassland birds, 185–197
influence of vegetation, topography, and roads on cougar movement in southern California, 264–276
Ver Hoff, Jay M., *see* Lawler, James P.
Ver Hoff, Jay M., *see* Schmidt, Jennifer I.
Vermivora chrysoptera, see Warbler, golden-winged
Vermivora pinus, see Warbler, blue-winged
Vermivora ruficapilla, see Warbler, Nashville
Vermont: 1565–1577
Villafuerte, Rafael, *see* Calvete, Carlos
Vireo griseus, see Vireo, white-eyed
Vireo olivaceus, see Vireo, red-eyed
Vireo solitarius, see Vireo, blue-headed
Vireo, blue-headed: 222–234
Vireo, red-eyed: 689–698
Vireo, white-eyed: 681–688
Virginia: 1538–1545, 1641–1651
Vitamin E: 664–670
Vitz, Andrew C., *see* Rodewald, Amanda D.
Vojta, Christina D. Old dog, new tricks: innovations with presence–absence information, 845–848

Vole, Mexican: 618–629
Vole, red-backed: 710–722
short-term demographic response of the red-backed vole to spruce beetle infestations in Alaska, 246–254
Vole, tundra: 246–254
Vole, yellow-cheeked: 246–254
Vore, John M., *see* Mao, Julie S.
Vucetich, John A., *see* Potvin, Marcel J.
Vulpes macrotis mutica, see Fox, San Joaquin kit
Vulpes velox, see Fox, swift
Vulpes vulpes, see Fox, red
Vulpia octaflora, see Fescue, six-weeks
Vulture, black:
flight behavior of black and turkey vultures: implications for reducing bird–aircraft collisions, 601–608
Vulture, Giffon: 151, 157
Vulture, turkey: 861–873
flight behavior of black and turkey vultures: implications for reducing bird–aircraft collisions, 601–608

W

Waits, Lisette P., and David Paetku. Noninvasive genetic sampling tools for wildlife biologists: a review of applications and recommendations for accurate data collection, 1419–1433
Walker, Johann, and Mark S. Lindberg. Survival of scaup ducklings in the boreal forest of Alaska, 592–600
Walker, Johann, Mark S. Lindberg, Margaret C. MacCluskie, Michael J. Petrula, and James S. Sedinger. Nest survival of scaup and other ducks in the boreal forest of Alaska, 582–591
Waller, John S., and Christopher Servheen. Effects of transportation infrastructure on grizzly bears in northwestern Montana, 985–1000
Walnut, black: 198–210, 430–436
Walsh, W. Russ, *see* Guthery, Fred S.
Walter, Scott T., and Chris C. Maguire. Snags, cavity-nesting birds, and silvicultural treatments in western Oregon, 1578–1591
Wang, Tiejun, *see* Liu, Xeuhua
Warbler, black-and-white: 689–698
Warbler, blackburnian: 689–698
Warbler, black-throated green: 689–698
Warbler, blue-winged: 681–688
Warbler, Canada: 689–698
Warbler, chestnut-sided: 222–234
Warbler, chestnut–sided: 689–698
Warbler, golden-winged: 232
Warbler, hooded: 415
Warbler, Kentucky: 415
Warbler, magnolia: 689–698
Warbler, Nashville: 689–698
Warbler, prairie: 681–688
Warbler, Seychelles: 1400–1418
Warbler, Swainson's:
Swainson's warbler habitat selection in a managed bottomland hardwood forest, 409–417
Warburton, Bruce, *see* Forsyth, David M.
Ward, Richard L., and C. Les Marcum. Lichen litterfall consumption by wintering deer and elk in western Montana, 1081–1089
Washington: 20–32, 404–408, 1043–1052
Wassenaar, Leonard I., *see* Hebert, Craig E.
Waterfowl: 91–109, 211–221, 582–600, 1221–1228, 1508–1515
modeling regional waterfowl harvest rates using Markov chain Monte Carlo, 77–90
estimating moist-soil seeds available to waterfowl with double sampling for stratification, 794–799
the effect of reward band value on mid-continent mallard band reporting rates, 800–804
seasonal variation in waterfowl nesting success and its relation to cover management in the Canadian prairies, 1181–1193
annual survival and site fidelity of northern pintails banded on the Yukon–Kuskokwim Delta, Alaska, 1202–1210
Watkins, Richard W., *see* Cotterill, Janey V.
Wauters, Luc A., *see* Preatoni, Damiano G.
Weasel, long–tailed: 950–956, 1565–1577
Weather: 150–159, 601–608, 884–893, 905–917
Webster, Ray, *see* Forsyth, David M.
Wege, Michael L., *see* Nicola, Chris A.
Wegner, Regina, E., *see* Csiro, Jens Jacob
Weik, Andrew, *see* McAuley, Daniel G.
Weseloh, D. V. Chip, *see* Hebert, Craig E.
Wetlands: 515–524
shorebird habitat use and nest-site selection in the Playa Lakes region, 174–184
Whale, southern right:
biopsying southern right whales: their reactions and effects on reproduction, 1171–1180
White, Craig G., Sara H. Schweitzer, Clinton T. Moore, Ira B. Parnell, III, and Lynn A. Lewis-Weis. Evaluation of the landscape surrounding northern bobwhite nest sites: a multiscale analysis, 1528–1537
White, Gary C., *see* Barker, Richard J.
White, Gary C., *see* Dinsmore, Stephen J.
White, Gary C., *see* Finley, Darby J.
Whittaker, Don G., *see* Stephen, Catherine L.
Wielgus, Robert B., *see* Katnik, Donald D.
Wigeon, American: 211–221, 582–591
Wildlife management: 884–893, 1001–1014, 1073–1080, 1731–1736
information theory in wildlife science: critique and viewpoint, 457–465 – *Invited paper*
databases and science-based management in the context of wildlife and habitat: toward a certified ISO standard for objective decision-making for the global community by using the internet, 466–472
management of wild deer in Australia, 837–844 – *Invited paper*
what are the issues with presence–absence data for wildlife managers?, 849–860
enhancing the value of the Breeding Bird Survey: reply to Sauer et al. (2005), 1327–1332
molecular genetics in wildlife science, conservation,

and management, 1360–1361
the molecular toolbox: genetic techniques in wildlife ecology and management, 1362–1384
stimulation of satiation receptors: a novel approach to wildlife management, 1475–1480
Wilkins, R. Neal, *see* Goldstein, Michael I.
Willebrand, Tomas, *see* Sæther, Bernt-Erik
Willet: 211–221
Williams, J. C., *see* Harding, A. M. A.
Williams, Murray, *see* Barker, Richard J.
Williamson, Scot, *see* McAuley, Daniel G.
Wilson, James A., *see* Kelt, Douglas A.
Wilsonia canadensis, see Warbler, Canada
Wilsonia citrina, see Warbler, hooded
Wind turbine: behavior of red-tailed hawks in a wind turbine development, 150–159
Winn, Brad, *see* Brown, Stephen C.
Winter, Maiken, Douglas H. Johnson, and Jill A. Shaffer. Variability in vegetation effects on density and nesting success of grassland birds, 185–197
Winter: 140–149, 311–331, 385–395, 561–573, 739–751, 1081–1089, 1297–1304, 1494–1507, 1538–1545
Winterstein, Scott R., *see* Scribner, Kim T.
Wintle, Brendan A., Rodney P. Kavanagh, Michael A. McCarthy, and Mark A. Burgman. Estimating and dealing with detectability in occupancy surveys for forest owls and arboreal marsupials, 905–917
Wisconsin: 57–67, 298–310
Wolf: 298–310, 396–403, 1691–1707
monitoring and habitat analysis for wolves in upper Michigan, 1660–1669
Wolfe, Donald H., *see* Patten, Michael A.
Wolverine: 1419–1433
management strategies for the wolverine in Scandinavia, 1001–1014
Woodcock, American:
effects of hunting on survival of American woodcock in the northeast, 1565–1577
Woodpecker, downy: 689–698, 1578–1591
Woodpecker, hairy: 1578–1591
Woodpecker, pileated: 1578–1591
Woodpecker, red-cockaded:
habitat as a predictor of southern flying squirrel abundance in red-cockaded woodpecker cavity clusters, 418–423
Woolington, James D., *see* Hinkes, Michael T.
Wren, house: 1578–1591
Wren, sedge: 198–210
Wren, winter: 689–698
Wyoming: 636–649, 1716–1730

Y

Yellowstone National Park: 294, 1691–1707, 1716–1730
Yellowthroat, common: 681–688
Yellowthroat, common:
grassland bird use of riparian filter strips in southeast Iowa, 198–210
Yonekawa, Hiroshi, *see* Kudo, Takuma
Yucca glauca, see Yucca
Yucca glauca, see Yucca, plains
Yucca, plains: 140–149
Yucca: 1259–1269

Z

Zack, Arthur, *see* Murray, Dennis
Zenaida macroura, see Dove, mourning
Zhu, Jun, *see* Anderson, Dean P.
Zimmerman, Earl G., *see* Jackson, Victoria L.
Zimpfer, Nathan L., *see* Conroy, Michael J.
Zonotrichia albicollis, see Sparrow, white-throated